

New Welland Ship Canal

A Strategic Line in the Greater St. Lawrence Waterways Which Will Provide Ship Navigation Beween Lakes Erie

and Ontario
One of the most important of the inland waterways in Canada is the Welland Canal. It is one of the principal links in the great St. Lawrence waterways connecting the Atlantic in the present canal. The width of

west of Niagara Falls. It overcomes a

difference in level of 3261/2 feet. The original canal, opened in 1829, extended from Port Dalhousie on Lake Ontario to the town of Port Robinson, where a connection was made with the Welland River. The course was down this river to its junction with the Niagara River and thence to Lake Erie. This was not found satisfacfactory, so between the years 1831 to carry the particular kind and vol-and 1833 the canal was extended along ume of traffic offering at its particular a route from Port Robinson to Port C. lborne. The present canal, 26% location. In all cases the needs of navigation have been remembered, miles in length, was completed in 1887, and the type of bridge and modern machinery provided for their operation. canal was entirely inadequate for use have demonstrated in the cases o by the modern steamships used on those bridges that are already in open the Great Lakes. As is generally known an important part of the business on the Great Lakes is that of At both ends of the ship canal large grain carrying, and the constantly in harbor works are located. At Port creasing oitput of the grain fields Weller, the Lake Ontario entrance, of Western Canada has resulted in the development of a particular type of "Upper Lake Vessel" built to carry immense cargoes of grain. These vestion of distance of nearly one and one to the construction of two embankments extending into the lake tor a distance of nearly one and one sels of 600 odd feet in length, loading sels of 600 odd feet in length, loading half miles. The entrance is 400 feet at the upper lake ports, while able wide and widens out to a bottom width easily to navigate Lakes Superior, Huron and Erle, are forced to dist is a little more than a mile long an charge their cargoes at the foot of Lake Eric, either at Buffalo, N.Y., or Port Colloque, Ont., because of the ship canal the upper lakes freighters restricted dimensions of the Welland drawing up to 25 feet will be enabled to proceed all the way down to the 1908 provided a million bushel cleva- foot of Lake Ontario. This will mean tor at Port Colborne to facilitate the transhipment of grain from the upper a terminal for these vessels for the bound for Montreal, where it is ship the smaller vessels navigating the St modation was soon found insufficient of the Canadian Federal Parliament and twice since, in 1912-13 and again the sum of \$1,500,000 was woted for in 1923-24, additions were built. 92 the purpose of commencing the con-000 bushed modern concrete elevator at Prescott on the St. Lawrence River, the capacity of which is already taxed between Lake Ontario and Montreal.

World's Largest Stock

In order that there may be com-plete protection to the canal and ves-sels in it, there is being built in addition to the seven-lift locks, a guard lock near the southern, or Lake Erie end in the canal. The lock, known as No. 8, is 1,380 feet in length between the inner gates. It is the longest lock;

weirs, the total estimated weight of metal in these items being 3,800 tons.

The fotal estimated connected motor reduction of armaments, his closing generally held by a member of the peace," being cheered even more ener-

Canadian engineering skill. To over come the 3261/2 feet differ ence in level of Lakes Erie and On-tario the new canal will have seven locks of uniform lift, each 461/2 feet, whereas the present canal has 25 locks of varying lift. The difference between the old and the new becomes very apparent when this comparison is made, the other dimensions of the ship canal making the comparison of further interest. The useable length of the locks is 820 feet as compared with 255 feet in the present canal, the ship canal having locks of 80 Ocean with the Great Lakes.

The Welland Canal connects Lake Eric with Lake Ontario crossing the bottom. The immense locks are built to take 30 feet of water on the sills; the canal reaches are to have 25 feet depth, which may be increased to 30 feet when the need arises.

Terminal at Prescott, Ont. It is planned to erect twenty-one movable bridges of the most modern type across the canal, as in such a populous area there are many high ways and a considerable number of railway lines. Each bridge is designed

At both ends of the ship canal large of 800 feet in the harbor. The harbo covers an area of about 150 acres. purpose of trans-shipping grain cargo that the Government has now a 3,000, struction of the necessary terminals

ably in the spring of 1930. Lloyd George Again Declares

Welland ship canal is completed, prob-

there is regulied no inconsiderable year without cost to the taxpayer, 1600 and 1602.

Amount of machinery to operate the lock valves and valves in regulating were also thrilled by his plea for a Since then the control of the control of the cost load for operating the canal and the getically than the adroitly arranged Brown, Ayrshire miners' leader, acted won seats from the Government in ra- as Lord High Commissioner.

for a still larger Welland Canal. In paying two or three times that amount for knest, good, valuable work."

1912 government surveys demonstrated hat a shorter and better route could be had via Ten-Mile Creek flowing into Lake Ontario. It was then decided that the time had come to begin the construction of an enlarged welland Canal. In 1913 the construction of the ship canal was commenced, and with little interruption has been proceeded with ironical cheering from the Con
The appointment of the Duke also strated into the Leaor Market Collab stion to the Leasympathetic collab stion to the Leaor Market Collab stion to the Collab stion to the United States and Load
or Market Collab stion to the United

ADAMSON'S ADVENTURE—By O. Jacobsson.



King's Son Heads Church Assembly

High Commissioner of Scotland

With Pleasure and Surprise

Tho ' the Duke of York had been appointed May 2. Lord High Com. ssioned of the General Assembly of the Church of Scot-It is proposed to have these terminals ready, including dockage space and an adequate elevator, by the time the Free Chuych of Scotland.

The long-drawn-out negotiations etween the two churches are drawing

chinery, is 23,000 tops. In addition duce unemployment to normal in a sent at General Assemblies in 1598,

HELD BY PEER.

With thy very modern equipment being installed for operating the locks, finduling the working of the valves, opening and closing of the sates, etc., great facility of movement of vessels is one that is expected. The time required to all loon of chose immens locks is only eight minutes and the stimated time for a vessel to pass through the salty cannot be fact even if, the Liberals fail to obtain a majority in the next Parcanal trum and to end is eight hours.

To Be Completed Next Year Concurrently with the fact cannot grain production in Western Cannota and the development of the string point was, "Mr. Bella marked by the exchange of complete was "Mr. Bella win is paying 275,000,000 a year and the corporation will concilor a very surveys demonstrated by the profiles was companied by the profiles by vessels cannot the defining in return. We propose aging two or, three times that amount for the large was Lord Rother.

To the surveys deep manufacture of the large was Lord Rother.

To go the profiles we shall be intended to the large was lord as all profiles with the fact that and the corporation will conclude the profiles was shall be large to the large was lord as all the lord the political department of the Eric Drummond, on behalf of the Cargue of Nations Secretaria and the Lear to of the political department for the cargue of the profiles will be an accomplished thing, will make even marked by the exchange of complete was lord Rother was "Mr. Bella win is paying 275,000,000 a year and of the corporation will conclude the profiles was sensely concernment. The corporation will conclude the profiles will be a corporation will conclude the profiles will be a corporation will conclude the profiles of this sense. The large shall be intended to the large of the political department of the profiles will be a corporation will conclude the profiles will be a corporation will conclude the profiles will be a corporation will conclude the profiles and the corporation will conclude the profiles will be a corporation will co Church leaders in all parts of Scot

Prince Henry Off on Trip to Japan

of York Named Lord Duke of Gloucester to Invest Ruler Emperor With Order of Carter

land was received with pleasure and Hirohito with the insignia which was freeing of domestic slaves was not so and roll walnuts in their han surprise throughout Scotland, where awarded him at the time of his cortain achieved. On the whole, the versions still common among the approval of a union between the approval of a union between the onation at Kyoto last November. The liberation of slaves of every descriptions, chus, church of Scotland and the United of Prince Chieblibu's recent visit to has been both successful and The Mane us are a very of Prince Chichibu's recent visit to complete.

England.

Both the Marri and Bugti Pliman-appear in Chinese chronicles

by Sir Eric Drummond

Khan Forbids Slave Trade

Publishes! Abolishing Evil Through out His Territory

CHOICE IS POPULAR

London.—The Duke of Gloucester Bombay.—During the year under China in 1644, and set up the invest the Emperor of Japan with Baluchistan was the carrying into Lynn lectures the Manchus because the insignia of the Order of the effect of the Khan's decree abolishing arrogant race, treating the hands the carrying into the carrying into the insignia of the Order of the China in 1644, and set up their decree abolishing arrogant race, treating the hands the carrying into the carrying into the insignia of the Order of the Khan's decree abolishing arrogant race, treating the hands the carrying into the carrying into the insignia of the Order of the Khan's decree abolishing arrogant race, treating the hands the carrying into the insignia of the Order of the Khan's decree abolishing arrogant race, treating the hands the carrying into the slavery throughout his dominion., The Dule will proceed to Marseilles, writes Lieut-Col. H. B. St. John, He will emoark there on the SS agent to the Gove nor-General in that Morea of the P. & O. Line for Yoko-Baluelistar, in his annual report of hama, where he is scheduled to arrive the agency. The turning of agricul-

May 2.

It was said that the sole purpose of the trip was the investing of Emperor proceeded without difficulty, but the trip by persuading them to train

England.

Numerous official erremonies and dars followed the example of Kala as 2330 B.C. when they sent receptions have been arranged in Ja- and a reed to the abolition of slavery to the Chinese emperor. The to a close, and final approval will be given in May to the incorporation of two or three weeks. The majority of these slaves were descend-becoming stronger as the two churches as a united body.

The appointment of the Duke of Vork also puts an end to agitation to the Emperor of Janan. On the low

In the would and is approached in step only by the two United States' lock at Sault Sto. Marie, which are 1,350 feet long.

A very important feature of modern and exception of the ponderous store and exception of the ponderous store whether the appoints at whether the appoints at the Albert Hall on Toesday by the tayman, the surplying and erection of the ponderous store by the layman, the surplying and erection of the ponderous store by the layman, the surplying and erection of the ponderous state of the welland ship canal, as have be imagined even by the layman, the surplying and erection of the ponderous step of the well and the surplying and erection of the ponderous step of the well and the temperature of the post-war ovations in his methodic early and the control of the post-war ovations in his methodic early and the control of the post-war ovations in his methodic early and the control of the post-war ovations in his methodic early should be a small dishonation in tastelf. The appointment of the post-war ovations in his methodic early should be a small dishonation in tastelf. The appointment of the post-war ovations in his methodic early should be a small dishonation in the step of the control of the post-war ovations in his methodic early should be a small dishonation in the step of the control of the post-war ovations in his methodic early should be a small dishonation in the step of the control of the post-war ovations in his methodic early should be a small dishonation in the step of the control of the post-war ovations in his methodic early should be a small dishonation in the step of the control of the post-war ovations in his methodic early should be a small dishonation in the step of the control of the post-war ovations in his methodic early should be a small dishonation in the step of the control of the post-war ovations in his methodic early should be a small dishonation of the control of the

The trib was planned for early this the majority of emigrants returned to year but delayed because of King their homes before, the end of the year suggests an Employ with all ly free from disturbances. This immunity from Wazir raiding is attributed to the recent introduction of a system whereby no Wazir is permitted to enter Zhob without a permitted to pay her shot of the World Court and the gradual extensions of the Hindubagh and be responsible for their gradual extensions of the Hindubagh open as far as Killa Saiffulla, sup-

Manchus Lose Out in Modern China

Proud Race Bows to nexe able Elimination of Drones

Peking.-The proud race of Me vanishing race, and are likely appear almost altogether with n next two or three decades, in the ion of Dr. Jermyn Lynn, Chinese fessor of law at Chaoyang Univer

Manchus for years.

The Manchus are like the fam
Jewish colony in Honan prevince,
Lynn believes, which managed
maintain a distinct existence for
years, but eventually was overwho At present, Dr. Lynn estimates, Manchus in Peping number about 350,000, a full third of the population As long as their emperors ruled in Forbidden City, they kept somew to themselves, living in separate pof the city from the Chinese, and intermarrying so often as they move. In those days, Peking, like m cities in Europe and America, had "Chinese Quarter," even though was the capital of China.

A SHELTERED RACE But since the Manchu empdror abdicated in 1911, the plight of Manchus has become steadily They had become somt throug turies of easy and protected life, were not fitted to meet the compet

Dr. Lynn estimates that the last single group of Manchus in Peping to shows, a very severe occup working for Chinese or foreigne large group is connected with the atre, of which the Manchu aristo race

But if the Manchus are rather badly by the Chinese they are merely reaping the sing sow ed by their fathers, Dr. Lynn

The Manchu bannermen; or s

open as far as Killa Saiffulla, sup-plied employment for a large number sion of matters yital to her of tribesmen English or otherwise, who

the sister Dominions-whi

Dairy Products Main Industry in Palestine

roduction of Cattle From Europe and Syria Results in Big Increase

usalem.-Palestine is on the the sense of the word, the land and milk and honey flow.

lk production has developed to in extent that it has become the racteristic feature of practically all liwish colonies established since wir and of some pre-war times. tatistics compiled by the Zionist kind ive show that the sale of datry regues has doubled within the last Wears, so that an analogous in rease in production may be assumed. It saily the sale of milk is responsible about 28 per cent, of the gross inof the colonies, its share in the income being considerably higher,

t 50 per cent. his branch of agriculture which, in Billical times, had spread the fame of Pa estine, had wholly declined. There la gery little pasture land and what there is of it can only be used for a sh of while, because the sun scorches grass and the ground is impover-

gd and neglected. he natives do not yet realize the prortance of fertilizing. They plow and with the same implement as used by Ahraham-n astarted piece of wood into which a k wall was driven. The cattle is the poorest kind. The Arab cow. ch the colonists found on arrival. produces 700 liters of milk a as compared with approximately liters in European countries.

light pure-bred cattle from Europe Syria and tried to acclimatize it ny of the first attempts failed, the mals became sick and died. inally, however, some were found

ich were able to adapt themselves the country and experiments to ss-breeding with native cattle were cessful. To day the yield per cow risen to 2,509 liters annually, in

hereas milk in former tin 📲 was arded as a sort of lixury, for which was to a great extent substituted, population has now grown used to milk consumption approaching the ronean standard. Moreover, the insand production has created a thriv-

No more is the immigrant from stern countries forced to cataimrted butter maby years old. He can ive fresh, iceally produced butter breakfast. Gradually, choose make g is als8 coming to the fore it dy needs a greater venety in Linds.

Mental Balanca

nann reports, that spring is a season special danger to health. This is why our grandparents swallowed such 'spring cleaning" mixtures as sulphur and molasses and used so, many 'spring tonics" compounded of warious roots and seeds.

For some diseases, Dr. Hopmann finds, the statistics do not support this idea that springtime is unhealthy. They do support it notably, however, for diseases of the nervous system. There is evidence, ho contrides, that mental equilibraim is less stable in the spring than at other seasons. Persons apt to lose their mental balance anyway are more likely to suc-

cumb in April or May. Those also are the morties, Dr. Honmann points out, in which the police departments report the highest number of suicides and of prision.

Dr. Hopmann en siders plansible the idea that spring disorgers may be due in part to lack of ultra-violet rays during the long winter, but he feels that other weather changes may be of importance also, and advocates forther studies of disease statistic's bothby physicians and by weather experts.

Sugar Syrup for Bees Winnipeg. In order to encourage

he beekeeping industry in Canada the anadian postal regulations are being amended to permit of padlages of honey bees being sent by mail when fec ox sugar, syrup as allowed by the United States Post Office. Hithorto the post office regulations in Canada demanded the use of a certain caudy compound as food supply for ites, which it has b en found is not as satisfactory for bees as sugar syrup. The action of the Canadian Post Office Department in changing the regulations came as a tosult of representations made by the Macitoba Beokerpers' Association. Berkeeping is becoming an important industry in Manitoba. Of the 19,387,900 pounds of honey produced in Canada in 1928, the province of Manatoba accounted for 5,774, 398 pount: It is the second largest producer among the provinces; of the Dominion, Leing exceeded only by Ontario, with 8,500,000 pounds. Quebec is in third place with 3,800,000 pounds. In 1920 the total honey production in Manitoba was only about,

120,000 pounds.

Thousands of packages of bees are nnually imported into Western Canda every spring, principally from Alabama and other Southern States.

It's about this time of year that the ollege student begins runmaging bout his room in a frantic search for the list of studies he is taking.

Mutt Tries to Land His Mechanical Robot a Cashier's Job. BROADMINDED: JUCUNNY! THAT CASHIER'S GUESS I

NUTT AND JEFF- -By Bud Fisher. MY MECHANICAL) T'UE PLACED ROBOT IS JUST WHAT SOME MONEY YOU NEED FOR BEEN LUCK: THIS CHUNK OF YOU FOR FIVE I'LL TRY IT PEOPLE: IT MACHINERY JOB IS YOURS BUCKS A A CASHIER IN YOUR SPILLED AGAIN! POINT TO SEE IF IT CAIL BE TRICKED. TUAN VOY 31 DAY! IT RESTAURANT. CAN PICK OUT 25UOY 2'71 TA THIOS , TOESS NEVER MAKES IT: TEG HOE. TIS AS ACCURATE THE DIFFERENT A MISTAKE: AS A HUMAN NOTHING: DENOMINATIONS REING AND A ROBOT, POINT GREAT DEAL TO THE ONE ... HEAPER: DOLLAR BILL.