

The Busy Bees Help Bessie. she little dreamed that she would discover the opportunity she had so long desired. She would not have seen it if she had not already learned to use her coth an arealy learned to use the learned to use the

ing four new swarms and the six of count. THE POPULATION

INCREASE OF TWENTY-TWO PER CENT. IN TEN YEARS

The Long War and Readjustment Periods Were Unfavorable to Growth in Popu-

Ontario is the most populous province of Canada with a population of healthy rate of increase for a decade and in 1921 Quebec's maple sugar output nas increased in 1921 Quebec's maple sugar output amounted to 30,000,000 pounds Quebec with 2,349,067. Saskatchewan this time Canada was entralled in the follows with 761,390; Manitoha 613; affairs of war and emerged to become The industry is now one of some 960; Atherta 581,9954 Nova Scotia involved in solving the serious prob-823.837; British Colu 823,837; British Columbia 523,358; lems of the arternault. File nower to-date business firms of intractive, New Brunswick 387,839; Prince Ed. the Canadian Army did not return bringing to it all the science of modward Island 88,615; Northwest Ter-from overseas; immigration from ritories 6,684; and the Yukon 4,162. everseas during the period of hostili-The province of Saskatchewan shows ties was impracticable and none were the greatest proportional increase in added to her population in this wise; population since the taking of the last in the tense economic situation which census with an addition of 80 per cent. developed after the war, it was con-Atherts grew by 55 per cent; Manisidered wise to seriously limit the entobs 34% per cent.; Bribish Columbia try of new citizens who were begin-33 per cent.; Quebec 17 per cent.; On- ning again to clamor at her gates. All tario 10 per cent.; New Brunswick 10 these factors have worked against per cent. and Nova Scotin 61/2 per population increase. The average incent. The Northwest Territories re- crease of births over deaths in Canada gurned a decline in population of 63% is in the average year something less

readily explainable and were expected. Since the beginning of the century the which constituted the main and virtually sole industry of that territory, been dwindling, and the producing area of Canadas has now shifted and the production of the considerable who plants a tree, he is akin to God A migration of population accompanied the slow death-of the industry, which had its effects in registering such a serious decline in the number of people in the territory. It is probhowever, that few of these people were lost to the Dominion and that the majority settle! in the provinces further south, and helped to swell I built a fireplace for my fire,

heir totals at this census. The severe decline in the Northwest Apillow-for my head. ecount for until it is recollected that on May 15th, 1912, one year after the me into existence with its previous they embraced Hudson's Ray. This look into previncist jurisdiction the lear, more productive and populous of the Tarringies, so that its opulation at this cames went to swellis total of Manitolinia people and asted in giving the provinces such a ercentage of increase.

Population Moving Westward. Prince Edward Island shows a small fine and the other Maritime prov- But gypsying is not the same, the similest increases of popus. For now Pm not so free after in the Dominion. This is partis The little house I built myself ation in the Dominion. This is partly accounted for in the fact that , Is always calling me as volume from the older East the privor West which annually de-

Sair of MT

them made over four hundred pour When Bessie Morton started to of honey which netted her eighty dol 27073 the fields that bright June day, lars. She again invested all of the

That was her beginning; but Bessie to hear that his daughter would be did not stop there. She wrote to the content to settle down on the old farm. It experienced and taxed the capacities and the average yield of sugar and the average yield of yield yiel experiment station and got all the They soon had a thriving business and ties of manufacturers to fill. literature they could send her; then by seeding the overworked land to The maple sugar industry of Canada she spent her spare time reading it. honey-producing clovers, they not only is confined to the provinces of Queshe spent her spare time reading it. honey-producing clovers, they not only is commed to the provinces of by-products of maple vinegar and so bec, Ontario, Nova Scotia, and New gar sand. From the product of thousand tapped trees, which is about thousand tapped trees, which is about the spent and so by-products of maple vinegar and so by-products of map of honey which she sold to a local run-down place and in a surprisingly brunswich. Quebec in by the alocal thousand tapped trees, which is about hotel for twenty cents a pound, or short time they had proved that the heaviest producer with about 60,000 the average Quebec grove, twenty-five noted for twenty cents a pound, or short time they had proved that the industry and the average Quebec grove, twenty-nve test dollars. This money she used for old, land-robting method of farming farmers engaged in the industry and to thirty gallons of very fine vinegar

ed heavy paper around them and was young farmer and her father bought as in Quebec the manufacture is an ready for the spring rush, as her her share of the business, but Bessie important industry, becoming more laurshingly told a neighbor. Her always keeps a dozen swarms of bees, and more commercialized each year, father had no faith in bees and said as she declares she would be lanesome and its importance is duly recognized were just a waste of time. without them, and like all women, she by the provincial government which The next year she succeeded in sav- enjoys having her own little bank ac- has framed legislation for its encour-

portion of the lost population were OF THE DOMINION away by the United States scale after the manufacture had in its period of extraordinary wartime industrial prosperity.

that the weight of population in Can- Steadily Increasing Production. ada is moving westwards with the The earliest records of production opening for settlement of new areas show that in the decade 1851-1861 the and the general development of the average yearly output of maple sugar territory west of the Great Lakes. In was about 13,500 pounds. From 1861 1871 there were only 109,475 inhabit to 1871 it increased to about 17,500 ants out of a total population of 3,- pounds annually. A further increase 689,257 in the Dominion. In 1881 was noted in the following decade, Thrushes and blackbirds are partithere were 168,165 out of a total popu- 1871 to 1881, when about 19,000 pounds cularly voracious. there were 168,165 out of a total popu-lation of 4,324,810. In 1891 the num-ber of inhabitants of the western half zenith was reached between 1881 and bird gourmand. If he has been short of Canada had doubled since the pre- 1891, when an average output of about of food for a few days, and then has of Canada had doubled since the previous census and there was a population west of the Great Lakes of 339,
the canada by the Daminian govern
ment, is 8,769,489 as compared with
1301 the western provinces and territories numbered \$45,517 people out of
1,206,643 in the census of 1911, an intories numbered \$45,517 people out of
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1,206,643 in the census of 1911, an intories numbered \$45,517 people out of
1,206,643 in the census of 1911, an in1,206,643 in the census of wenty two per cent. And approximately as per cent. of the per cent. And according to their time to visiting the maple sugar and does not hesitate to swoop down increases with the exception of Price the 1921 census they have 2,490,592 infarms and assist the farmers with exon and does not nesitate to swoop down on a chicken run when hungry. In one day he eats twice his own weight one day of food. are explained by circum- past decade the combined population ment in Quebec province of the maple cances and conditions. The growth of of Manitoba, Saskatchewan, Alberta sugar industry on a firm commercial

per cent.; the Yukon 51 per cent. and than 100,000. Canada's main agent in Prince Edward Island 5% per cent.

A Shifting of Boundaries.

The agitation to have Manitoba meeting promises to be largely at the nation which created this formulable cutpost of naval ambitions is migration tide. This amounted in product will be revived when the Assoon be on the markets of the British the prophecy of the Kafser. "The agitation to have Manitoba meeting promises to be largely at the nation which created this formulable cutpost of naval ambitions is the declines in certain areas are

## A Little House

When I grow tired of gypsying. . I bought a bit of land; I mailt a roof against the sky, A floor above the sand.

I bought myself a bed With linen sheets to cover me,

My bed was soft-and yet Some sights and sounds and there were

That I could not forget! tried to stay, I tried to eat, I tried to sleep, but, oh! One night the wind came calling

What could I do but go? What could I do but rake my fire And shut and lock my door? What could I do but set my foot Upon the trail once more?

or werse, -keep out at moon.

Sand Are Valuable By-Products Awaiting Further

desired. The would not have seen it if she had not already learned to use her ears as well as her eyes.

When Bessie started across the fields that eventful June day, she was activity from any dewpoint but which has attention. Investigation revealed a dark brown mass hanging from a lew cherry tree, and she became so lew cherry tree, and she became so lew cherry tree, and she became so limited in the other farm girls were in. She longed to have more money and interested in watching the animated in the present substantial rate of duction it is estimated that not half of the available sugar manufacture. So limited is the area on the North American of Quebes province are made and to which it may be sugar manufacture. So limited that not half of the available sugar maple to have more money and in the area on the North American. She longed to have more money and maple sugar manufacture. So manufacture is the available sugar maple trees of quebec province are made productive. It must be borne in mind too, crushed one of the little workers.

Now Bessie had always supposed that they would soon hear of some wonderful plans—now that she was having such fine success side of the Atlantic had never heard as is not adapted to tillings and que Now Bessie and always supposed that she was having such fine success sine of the farmers are encouraged to make that a bee sting was as painful as a with her bees but she surprised them of maple sugar nor tasted this success bee farmers are encouraged to make hornet's, so she was very surprised to all by telling them that she would like discover that they were not nearly so to take a short course at the agriculpainful.

The supplies sent over land, which is at the present time unpainful.

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The supplies sent over land, which is at the present time unpainful. "Why, I can take care of bees if bees and their handling, and then start tive manner than a studied and systhat is all they hart," thought Bessie, a modern "Apiery" in partnership tematic campaign would have done ami hurried back to the house to find with her father.

a box and see if the could get the His prejudice against bees had been the product. This in turn administer of the sugar and syrup. About since

another swarm of bees and three old did not pay. They built a comfortable, hives which a neighboring farmer had modern home, bought a car, and Beschives, but very dirty. She sarubbed the same thoroughly inside and out; tack-but term thoroughl agement and protection. This recognition on the part of the governbuild up another section of the counterport trade has resulted in a resumpment of the great possibilities of an tion in production on a substantial syrup is being produced now than ever

The census of 1921 goes to show in the history of Quebec. per cent. of the Do- and appointed inspectors to devote

West, the Prairie Provinces and from 1,645,189 to 2,419,746, or by more ed and its various interests protected.

British Columbia having together adthan 47 per cent.

Description is especially marked in the and British Columbia has increased basis, its importance as such recognized and its various interests protected. Production is again steadily increasing and figures now surpass anything be-Production is again steadily increasing meal they can fly only a few yards. Twenty-two per cent. is a fairly fore recorded. In the past three fold, fore recorded. In the past three years drooping wings, and blood-shot eyes, ern enterprise.

The increasing interest in, and demand for, maple products from points married to-morrow." outside Canada is clearly indicated in rising export figures. In 1914, 1,-925,443 pounds of maple sugar were money in de house wid no strange nig- in 1890 it was hardly anticipated that exported from Canada, which had in- ger!"

Only the more modern and scientific makers, however, are extracting the

> Small Birds With Huge Appetites.

Imagine a man eating a breakfast of two sides of bacon and four loaves; a lunch of forty pounds of beef, half a ushel of potatoes, four loaves, twelve large apple puddings, and a few pounds of cheese; and finishing the day with a five-course dinner, each course weighing twelve pounds!

That man would be eating his own weight and probably would not experiment twice. Yet the robin devours twice its own weight in food every twenty-four hours.

Young birds are great eaters. Sometimes they have to give in when the supply of worms exceeds their capacity, but they make valiant attempts to eat all that is brought to them.

one day he eats twice his own weight

The greatest bird gourmand is the vulture of South-East Europe. Seven vultures can strip the carcass of a horse in haif an hour. After such a They stand with puffed-out bulies, uttering hideous cries.

Just Prudent.

The day before Mandy was to be married she took the few dollars she had saved to her boss, and asked him to keep them. "Mandy," he asked, "why don't you keep your money? You're going to be

Mandy replied: "Lord bless boss! I ain't gwine tub trust that the Germans one bright summer day sion "of what had undoubtedly been long did the oil retain its heat that

## Progress in Canada

ing of the last census and 1914 to be sociated Boards of Trade of Saskat- Isles if the plans of the British Colum- Inture of Germany is on the water, tween 300,000 and 400,000 per year. It chewan assemble for their annual bia Poultrymen's Exchange are carwirtually stopped during the war, and meeting at Prince Albert, Sask. Sas-ried out. Arrangements are now bein 1921, under the policy of limitation katchewan grain growers and the Asing made to set aside special space. The romantic expectations with in force since its conclusion, aggressociated Boards of Trade claim that on steamships using the Panama which the Germans bought the island on steamships using the Panama which the Germans bought the island. There will be no need for the whole gated only 100,000. Population builds must of the grain graded as "Mani-Canal route to the United Kingdom, are a matter of the past, and what aeroplane train to land at each air and twenty-two per cent, may be con- that the name creates a wrong impres- from this province have been shipped; cess of the most provace nature and a time may be saved in this way. sion. Saskatchewan produces over 50 to such a distant market. per cent, of all wheat grown in Can.

will probably interest itself in the

mill of the Provincial Paper Mills. woods used. Ltd., has commenced, according to A. A portion of Victoria Beach on Lake G. Pounsford, manager of the Port Winnipeg has been set aside by an port. In fact, with the removal of those extension is to be construction of its parts which served war purposes extension is to be completed by May of the necessary slipways for the sea- the harbor of Heligoland will be more 1st, 1923, and at an estimated cost of planes at the Dominion Air Board's suitable for commercial craft than it \$1,500,000. The mill wift be equipped station at that point.

with one 146 book machine capable F. J. D. Barnjum, who recently ofof turning out thirty tons of book fered a cash bonus for referentation tory thirty-two years ago. It repeat. papers a day. The main market for of farm lands in Nova Scotia, is now edly changed hands in the course of the product will be Western Canada offering \$1,000 in prizes for the best its history. Originally a domain of the The annual convention of the West-essays on the regulation of the forest dukes of Holstold-Gottory it came unern Canada Irrigation Association will fire menace, with suggestions for the der Danish sovereignty in 1714. A

open at Maple Creek, Sask., July 26, enactment of laws for the prevention and two days later will move to of same, or any other method for the possession of it and provided it with Brooks, Alta., the centre of the East-protection and retention of home- a Governor.

In regard to the system of its forti-TIONS OF HELIGOLAND. fications, Heligoland resembled much more a battleship than a fortress. It comprised the war harbor and sub-

struce and in the other developed.

Remove the shoes and stockings

narine base on the one hand, and the Work of Demobilization Befortifications on the other. The formgan in February, 1920, and er passessed all the characteristics of Now Nearing Completion. ful guns Krupp was able to produce.

all too often we imagine that we are done severely in the former bravely bearing some affliction when as a lightly in the latter.

natter of fact it would not be necessary

venting women from making the bect of

themselves, and a little time and patience

How many of us sigh over our unshapely

for us to mourn in secret and to

Gone are the giories of the older days-departed is the last vestige of German naval greatness—the Kaiser's tives of the Navai Inter-Altied Compet project, the fortification of Helfmission of Control had paid their first goland as a perpetual menace to Great visit to Heligoland. Britain is no more. On the last day of April the dis-

For the last of the gigantic fortifica tions which made Heltgoland impregnan accomplished fact, and on the ocable has been destroyed by the allied order, and now the island, which once Sir Edward Chariton expressed to bristled with giant guns and was sur Herr Rickert, president of the German rounded with deadly mines, is again sub-commission in charge of the dethe home of simple fisherfolk... melition, his recognition of the effec-

When the British handed it over to tive execution by the German commisa most unpleasant duty." twenty-four years later the little North Sea isle, armed to the very edge "Take Your Seats for Cairo." of its cliffs, would be a pistol pointed at the breast of England. To-day the British are supervising the demolition of its last fortifications.

midable cutpost of naval ambitions is

most disheartening one to those per-

In 1920 lumber production in Canada forming it. It consists of the system- to demonstrate the possibility of The fevered service of the crowd Tests for the conversion of Canwas valued at \$311,815,293, as comatic destruction of some of the best aeroplanes picking up packages from In reverent wisdom he is bowed Tests for the conversion of Canadian straw into fertilizer will in all pared with \$222,322,975 in 1919, achard hides his purpose in the clod adian straw into fertilizer will in all pared with \$222,322,975 in 1919, acprobability be conducted in Ontario during the present year by an English company. If the process proves to be counted for \$168,368,437; lath \$5,248. German edgineers and laborers under with an automatic spring attachment at the end, has been used, and the fuel to the supervision of British naval of the end, has been used, and the fuel that chall grow notice to the ground when in 10H flight. The data with tins of the ground when in 10H flight. The data with tins of the clod.

This work is theing carried out by perrol. A kind of grappling hook, with an automatic spring attachment at the end, has been used, and the fuel that chall grow notice. of practical value the Honorary Adproducts \$7,496,706; and forest prolicers and civil engineers, who form has been lifted from the ground to the ducts \$116,006,172. Cedar, soruce the Heligoland sub-commission of the machine without accident. Douglas fir, white pine, birch, maple Naval Inter-Allied Commission of Con- It is believed that bales of mer- With true sincerity of mind. Douglas fir, white pine, birely maple pave interesting of the chandles could be treated in the same He same to love his fellow yet to be harbor, care has been taken to leave way.

intact what is necessary for the reever was before. Heligoiand became German terri

proofes, Area. the centre of the Eastgray Section of the Canadian Pacific grown forcets for home industries. Negotiations between Engiand and Railway's huge irrigation block. Some of the most prominent irrigationists second, \$150 thind, and \$100 fourth.

The competition is open to any citizen Germany, against the constant of Canada, but the sessys must apply in Africa, obtained the convention, and in view of the growing importance of particularly to the provinces of Nova island and incorporated it in the Kingirrigation. In Western Canada, the Scotia, New Brunswick and Quebec. dom of Prussia. The ceremony of The ceremony of and intellige a compared to the second of th

handing the Island over to Germany took place August 10, 1890. British sations stood in rank and tile while their superiors shook hands with the German commission which took pos-

beauty, after taking the

foot is raised from the floor with no sup-port beneath it.

Move this foot with a twisting motion should be drawn-as close as possible, but from the ankie and then slowly bend it up sare must be taken to avoid stopping the

stone on a bright sunny day to ealize how much heat there is in the sun's rays. on a plece of paper, and it is not lone before a hole to burned.

If we could collect and use this heat we should have a vast source of power that would cost nothing:

Dr. C. G. Abbot, a British scientist who has been experimenting in this a strong mayal base, while the forts direction for some time, uses a series sported the most modern and power of mirrors which are so curved that they focus the eun's rays like lenses. The work of demolition began in A clockwork mechanism turns them February, 1920, after the representation that they follow the euro as it moves across the sky

Last summer Dr. Abbot did the whole of his cooking by solar heat. Pipes from a boffer allowed the bot he was able to cook an evening meal even if the afternoon had been cloudy. The solar oven is only a beginning. "Cairo in the rear; Calcutta for If we can cook food in this way we can use the heat to do the thousand and one things that are now done by

This sort of cry now may soon come familiar to travellers by air, for us with coal and other fuels. a new kind of aerial trailer has been invented by Mr. Fokker, who designed His invention renders possible an aerial train, sections of which may be slipped and can glide to earth with safety at any suitable place on the But if He has, I think it grows

Experiments are being carried out

Ancient Yucatan. Yucatan is "the Egypt of America."

As early as the beginning of the Christian Era, the people there built stone structures of excellent masonry, true angles and smooth, vertical faces. They had astronomical observatories. an accurate calendar and a better system of numerals than the Romans. When the people of northern Europe were living in reed buts the Mayas of yucatan seem to have been on the targe calch of pickerel, jackfish and verge of true divilization. The cause tuities. The coarser fish are except of their decline is unknown; when the tignally identitial this seeson. Lakes, conquistadores came, soon after the year 1500, their temples, palneer and cities were already in ruine.

Cooking Meals by Sun's

If the flesh is to be reduced, apply car

phorated oil, rubbing it in, while the skin

The hot rays are directed on to a boiler coated with dull black naint this color being used because it soaks mantlement of Heligoland will become in heat. The botler is filled not with casion of his recent tour of inspection a far greater amount of heat and rewater, but with wile which can absorb tain it for a longer time.

To Him Who Plants a Tree. the aeroplane which hears his name. Perhaps our God has somewhere made a thing

More beautiful to se Than a majestic tree; There will be no need for the whole Where whiter souls than ours do sing. In heaven, by the stream that flows

In this impatient age

That shall grow nobly on

When he is dead and gone, He seems to me to love his kind

Above his grave the guns shall flush and fade,

The seasons come and go And storms shall drive and blow But sun and rain that from his tomb Efface his name, renew the bloom And glory of the monument he made,

Winter Fishing.

Lake Winnipeg is expected to pre whitefish this season, in addition to A he and St. Martin are also be ing entendively fished.

culty out of cou will put a di

UNSIGHT AND FAC

In the Spring

blood is out unsightly erup ome frequen vinter to spr the long indo its effect upor tonic medici right. Indeed who do not son. Bad bloc same conditi matism and bing pains poor appetit troubles by stimulates feeling of : weak, fired children i this medici quickly it v

Dr. Midd

Cresc

awng right

the ming. of the Car ciation is liffusing publishing with two These are whose pare hat wais Seven o tie mict t. porge · ther

Stone both

With the water they finish a clean Hu d if I sulte as', they or . WPI Front :