Diseases of the orest.

our forests large er are destroyed by these losses are not rular as those caused re quite as important attention. It is only rs that fungous and is in the forest have sought. This is due the fact that timber untry are becoming re and that every responsible for derest should be care-

mic standpoint the oup of forest fungi uses the decay of in this group are eral type known as olypores. Some of vever, are also capwood. These forms in the heartwood f the tree, though e fungus will atod and sapwood. capable of living

dead wood. ted from the atying fungi by the the case that in he bark is broken at these places the fungua gain e. Such wounds irds, animals, inthe natural death k of light. The -rotting fungus, nds, germinate if present and the grows into the n is enabled to ue as food mathe secretion of ferments which composing the gus possesses a nzymes each of educing certain ood-thus one lignin and anthe lignin has rood it becomes hout strength.

enical changes. ge in color of may be left brown. This e due to the of the attacktions by the littelf or to ed by the acn most cases are charactof fungus so onsible organmerely by an cted wood. ount of wood the fungus itself. This s of the fruithich are comsides of trees food materto the point

ch are borne stances. A ed in wounds commences ommonly inportion of tity of them and. Of the structive are ses a pecky white heart Polyporus rown heart aria mellea

d there the

anges which

roduction of

roduce spores

both conie most imre of more orest than ore favor. greater. o developndfalls ani nd to more ley somevaluable In such tified, tree the tree e farmer's fruiting followed as it will infection this canot should es. They rned. In hese and tely conf forest time, as hat must thorough of each roducing

n of life y is not od when ripest.--

arter of an inch an inch ason, of all the and ess

entiving

Canada From Coast to Coast

Charlottetown, P.E.I.—The shale Growers, Limited, the selling organiformation and topography of certain zation of the grape growers. This sections of Prince Edward Island have acreage represents 520 growers and promoters, and as a consequence oil tire crop. These are permanent conprospectors of experience have re- tracts, running until they are cancently secured boring concessions on celled by the growers. Manager J. P. the Island from the Provincial Gov- Montgomery stated that he expected

recently purchased nearly six hun- the grape growers. dred acres of provincial Crown land Winnipeg, Man.-That land in near borders of York and Charlotte Manitoba is equal to that of soils in counties, and will establish a blue- Illinois and Iowa, where the land is berry ranch. It is the intention of this sold at \$400 an acre, is one of outnew concern to ship berries to the standing statements of Prof. Bracken,

of Nova Scotia apples in 1921 was crage price of Manitoba farm lands 2,033,901 barrels and 6,494 boxes. The was returned at \$35. total exports amounted to 1,288,241 Saskatoon, Sask.—Seeding has combarrels and 6,494 boxes. The United menced in Northern Saskatchewan, States received 98,354 barrels, West one farmer in the Harris District hav-Indies 4,683 barrels, Newfoundland ing already sown 380 acres out of 13,377 barrels, while the remainder 1,880 acres, which will be devoted to were consigned to various English wheat. This is claimed to be the first Ontario Motor League Urges ports. New Brunswick points received land planted in the district this year. 30,481 barrels of the total crop, Nova! Calgary, Alta.-Present indications Scotia 22,840 barrels and other Can- point to a number of soldier settlers Within three years, construction Heavy Casualties in Battle adian points 296,042 barrels. Prov- going on the land this spring in the work on the entire Provincial Highincial canning factories consumed 31,- Calgary district. A large number of way System of 1,800 miles will be

industry of the province of Quebec Settlement Board, being much larger this month. occupies first position in the province than for the corresponding period last The plan of the Minister of Public as regards the value of product, its year.

Highways is to capitalize a portion seeking to complete his victory 28c; creamery, prints, fresh, finest, 39 \$4 to \$5; hogs, fed and watered, against Chang Tso-Lin, Manchurian to 40c; No. 1, 38 to 39c; No. 2, 36 to \$13.75; do, f.o.b., \$12.50; do, country points, \$12.25.

Foundation of the revenue from Motor Vehicle against Chang Tso-Lin, Manchurian to 40c; No. 1, 38 to 39c; No. 2, 36 to points, \$12.25.

Foundation of the revenue from Motor Vehicle against Chang Tso-Lin, Manchurian to 40c; No. 1, 38 to 39c; No. 2, 36 to points, \$12.25.

ed by the Niagara District Grape assets.

BRING DUTCH FARMERS

Provincial Government and

Federal Department of Immi-

gration to Co-operate.

relieve the farm labor shortage in

Saskatchewan and to bring into the

country men who, with a little exper-

ience in the ways of western agricul-

ture, will make capable and efficient

farmers, the Provincial Government,

in co-operation with the Federal De-

partment of Immigration, has made

arrangements to bring contingents of

farm laborers from Holland, it was

The Saskatchewan Bureau of Labor

and Industries will provide special ap-

plication forms and other information

to agrarians who want the Holland

laborers, but the men will not be

brought to Canada unless they are

guaranteed at least a year's engage-

do not know yet how many men will

be brought in from the Netherlands.

The demand, however, is expected to

be heavy, and there will probably be

several hundred to come to the prair-

A despatch from aro says:

The speech apparently was

made in answer to Egyptian

Showing His Colors.

he inquired, "What is a zebra?"

donkey with a football jersey on."

Controls the Sudan

ies within the next two months.

Great Britain Still

to abandon the Sudan.

Egypt.

natural history.

Officials of the Provincial Bureau

announced officially on Thursday.

A despatch from Regina says:--To

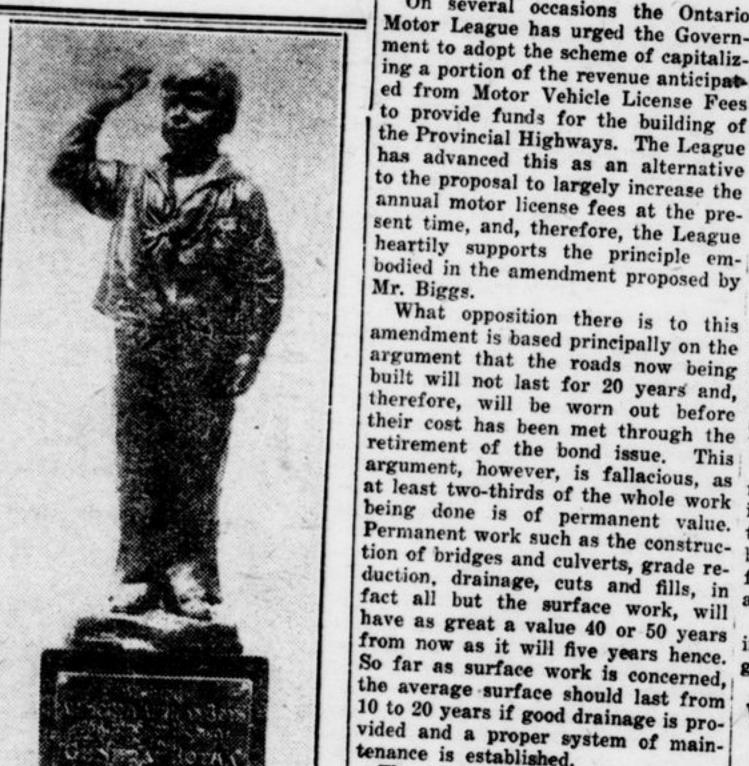
TO SASK. PRAIRIES

been attracting attention from oil is about seventy per cent. of the enthat 95 per cent. of the grape crop of St. Stephen, N.B.—A company has the district would be under contract to

United States until the erection of a of the Agricultural College, in his replant here when they will be canned. port tabled in the Legislature. In the Halifax, N.S.—The total production survey covering the Dominion the av-

800 barrels and cider and vinegar men have already made application completed, if a bond issue of \$25,000,at the office of the Board to purchase 000, proposed by the Honorable F. C. Quebec, Que.-The pulp and paper land this spring under the Soldiers' Biggs, is approved by the Legislature

fourth, the milling industry with \$42,tract of country of wonderful agriculmately \$25,000,000 for the construcWu, having turned the left flank
to 25c; fowl, 24 to 30c; ducks, 35c;
do, No. 3, 62 to 63c. Flour. Man.
Spring wheat pats firsts \$8.50 Polled 3,120 acres of grapes have been sign- fur and forests are also among its effect this object.



A Unique Gift.

SPYDENEARY

EDWARDS

-An important official statement says that Lord Allenby, high) of H.R.H. Prince of Wales, taken Prison Term for This little statue (about 10 inches when recently in the Sudan, from life when he was a sailor boy, advised the Sudanese leaders was made for his father and mother to inform the people that around the world when they were Great Britain does not intend Duke and Duchess of York. It has just been given by the Prince to the South African training ship "General Botha."

claims for the incorporation of Electric Heating for Houses. the Sudan as a Province of That electric heating for houses would be neither economical nor prac-It was ac lass being examined in ance has the zebra?" There was no Industrial Research at Ottawa. Mr. referred to a higher court. answer, and to make the query plainer Barnes' solution of the fuel problem and her children will sail from their units actually utilized, by the adoption

WIRELESS FOR THE HOME The new compact Marconi receiver, which has been designed with the view of making it possible for the average householder to enjoy the advantages of wireless in the home

TO DEFEATED FORCES Won by Leader of Central China.

Bond Issue.

Biggs, is approved by the Legislature this month.

The plan of the Minister of Public Highways is to capitalize a portion of the revenue from Motor Vehicle against Chang Tso-Lin, Manchurian to the revenue from Motor Vehicle against Chang Tso-Lin, Manchurian to the revenue from Motor Vehicle against Chang Tso-Lin, Manchurian to the revenue from Motor Vehicle against Chang Tso-Lin, Manchurian to the revenue from Motor Vehicle against Chang Tso-Lin, Manchurian to the revenue from Motor Vehicle against Chang Tso-Lin, Manchurian to the revenue from Motor Vehicle against Chang Tso-Lin, Manchurian to the revenue from Motor Vehicle against Chang Tso-Lin, Manchurian to the revenue from Motor Vehicle against Chang Tso-Lin, Manchurian to the revenue from Motor Vehicle against Chang Tso-Lin, Manchurian to the revenue from Motor Vehicle against Chang Tso-Lin, Manchurian to the revenue from Motor Vehicle against Chang Tso-Lin, Manchurian to the revenue from Motor Vehicle against Chang Tso-Lin, Manchurian to the revenue from Motor Vehicle against Chang Tso-Lin, Manchurian to the revenue from Motor Vehicle against Chang Tso-Lin, Manchurian to the revenue from Motor Vehicle against Chang Tso-Lin, Manchurian to the revenue from Motor Vehicle against Chang Tso-Lin, Manchurian to the revenue from Motor Vehicle against Chang Tso-Lin, Manchurian to the revenue from Motor Vehicle against Chang Tso-Lin, Manchurian to the revenue from Motor Vehicle against Chang Tso-Lin, Manchurian to the revenue from Motor Vehicle against Chang Tso-Lin, Manchurian to the revenue from Motor Vehicle against Chang Tso-Lin, Manchurian to the revenue from Motor Vehicle against Chang Tso-Lin, Manchurian to the revenue from Motor Vehicle against Chang Tso-Lin, Manchurian to the revenue from Motor Vehicle against Chang Tso-Lin, Manchurian to the revenue from Motor Vehicle against Chang Tso-Lin, Manchurian to the revenue from Motor Vehicle against Chang Tso-Lin, Manchurian to the revenue from Motor Vehicle against Chang Tso-Lin, Manchurian to the revenue from

PEKIN GATES CLOSED

St. Catharines, Ont.—Contracts for farmers. Minerals, water power, fish, to the Highway Improvement Act, to scene of heavy fighting for a week, ducks, 38c; turkeys, 45 to 50c; geese, lots, \$29 to \$30. On several occasions the Ontario At the same time his troops in the Motor League has urged the Govern- vicinity of Pekin, following up their ment to adopt the scheme of capitaliz- success in capturing Chang Sin Tien, new laid, in cartons, 35c. ing a portion of the revenue anticipate early on Thursday were driving on ed from Motor Vehicle License Fees Fengtai, a rail base for Chang's \$4.25; primes, \$3.75 to \$3.90. to provide funds for the building of forces.

the Provincial Highways. The League has advanced this as an alternative to keep out the stragglers from to the proposal to largely increase the Chang's forces, who began to near the annual motor license fees at the pre- city soon after their defeat at Chang sent time, and, therefore, the League Sin Tien.

heartily supports the principle embodied in the amendment proposed by fighting that no definite estimate has What opposition there is to this fighting at close quarters, in which, amendment is based principally on the according to military observers, the argument that the roads now being Chinese acquitted themselves quite as built will not last for 20 years and, well as did European soldiers under therefore, will be worn out before similar circumstances in the late their cost has been met through the World War. retirement of the bond issue. This

argument, however, is fallacious, as It is reported that Wu as yet has at least two-thirds of the whole work into the conflict. They are noted for being done is of permanent value. their loyalty, and it is believed are Permanent work such as the construct being employed to protect his rear tion of bridges and culverts, grade re- from a possible attack by Chang's duction, drainage, cuts and fills, in allies.

Hundreds of refugees are streaming from now as it will five years hence. guarded. into Pekin. The city is being well

Who's Who in Chinese War.

The fighting now going on around for control of the country. The revenue from Motor Vehicle Pekin is the seventh attempt in ten License Fees last year was approxi- years to settle Chinese political dif- "super-tuchuns" of China, a "supermately \$3,000,000. This revenue is ferences by an appeal to arms. In military governor." He came down increasing from year to year and if these ten years China has been drift- and on a summer day chased the An-\$2,000,000 annually is set aside by ing toward a break-up.

of sedition, after the judge had session.

it two to three times the present had government to usurp the func- golia. He has been the "protector" of dreamed by Dr. Sun. churian bandits. He is one of the heart of China and threatening him mous fire waste.

Weekly Market Report

Manitoba wheat-No. 1 Northern, Maple sugar, lb., 18c. \$1.55; No. 2 Northern, \$1.49; No. 3 Honey-60-30-lb. tins, 141/2 to 15c ways, miss the fierce exhilaration as

No. 2 feed, 55 1/2 c.

Manitoba barley—Nominal.

All the above, track, Bay ports. American corn-No. 2 yellow, 36c; cooked ham, 45 to 48c; smoked 791/2c; No. 3 yellow, 781/2c, all rail. Barley-No. 3 extra, test 47 lbs. or breakfast bacon, 25 to 30c; special silver platter since. The heavy handi-

Rye-No. 2, 95c. Millfeed-Del. Montreal freight, to \$19.50; lightweight rolls, in barrels, bags included: Bran, per ton, \$28 to \$45; heavyweight rolls, \$39. feed flour, \$1.70 to \$1.80.

extra No. 2, \$22 to \$23; mixed, \$18 to 151/2c; pails, 151/2 to 16c; prints, 171/2 he wants to go home weeping and tell Straw-Car lots, per ton, track, Toronto, \$12 to \$13. \$1.45, outside.

Ontario corn-53 to 60c, outside.

attention of many United States The Minister seeks, by an amendment in a drive toward Tien-Tsin. Machang, roosters, 17 to 20c; fowl, 24 to 30c; Shorts, \$33. Hay, No. 2, per ton, car

Margarine-20 to 22c. Eggs-New laid, candled, 30 to 31c; Beans-Can. hand-picked, bushel, Maple products-Syrup, per imp. \$14.25 to \$14.50.

per lb.; 5-21/2-lb. tins, 17 to 18c per well as the stringent discipline of life Manitoba oats-No. 3 CW, 61c; ex- lb. Ontario comb honey, per doz. \$5.50. tra No. 1 feed, 56%c; No. 1 feed, 57c; Potatoes—Ontario, 90-lb. bag, \$1.15; fortune if he has to work with all his Cobblers, \$1.75 a bag. Smoked meats-Hams, med., 33 to

rolls, 23 to 26c; cottage rolls, 30c; mouth and has been fed from the better, 60 to 65c, according to freights brand breakfast bacon, 36c; backs, cap is not that of an enveloping poverty; it is that of unrestricted luxury Cured meats-Long clear bacon, round the cradle and the nursery. The

\$17.50 to \$18.50; clear bellies. \$16.50 0; shorts, per ton, \$30 to \$32; good Lard-Prime, tierces, 16c; tubs, 161/2c; pails, 17c; prints, 18c. Short-Baled hay—Track, Toronto, per ton, ening tierces, 141/2 to 15c; tubs, 15 to about him. He is aghast and amazed;

Choice heavy steers, \$8.90 to \$9; butcher steers, choice, \$7.75 to \$8.75; Ontario wheat-No. 1 commercial, do, good, \$7 to \$7.50; do, med., \$6.50 1.45, outside.
Ontario No. 3 oats, 40 to 45c, outher heifers, choice, \$7.25 to \$8.25; do, where men who cannot pay to ride are med., \$6.50 to \$7; do, com., \$5 to \$6.25; walking. butcher cows, choice, \$5.50 to \$6.50; Ontario flour-1st pats., in cotton do, med., \$3.50 to \$5; canners and cut- thing handed to him. He craves some sacks, 98's, \$7.70 per bbl.; 2nd pats. ters, \$1 to \$2; butcher bulls, good, \$5 obstacles to meet and overcome—and (bakers), \$7.20. Straights, in bulk, to \$6; do, com., \$3 to \$4; feeders, good, he gets them. He feels a glow of Manitoba flour—1st pats., in cotton stockers, good, \$5.50 to \$6.25; do, fair, for a long time, and success comes at sacks, \$8.70 per bbl:; 2nd pats., \$8.30. \$5 to \$5.50; milkers, \$40 to \$80; China.

Cheese—New, large, 17 to 17½c; springers, \$50 to \$90; calves, choice, last. If the reward came easily, it twins, 17½ to 18c; triplets, 18½ to \$8.50 to \$10.50; do, med., \$6 to \$7.25; would not be worth the sweating

> Oats, Can. West., No. 2, 66 to 67c; reckless. He measures his cloth and

Cheese, finest Easterns, 13c. Butter, chine. But he has the cool nerve to choicest creamery, 25 to 36c. Eggs, start something while others are selected, 34c. Potatoes, per bag, car timid.

lots, 75 to 80c. Good fat cows, \$6.50; canner cows, man, full of talk, was dubbed by a \$2; calves, \$5 to \$6; hogs, selects, friend "The Prince of Procrastina-



Sun Yat Sen, head of South Chinese Government at Canton and Leader of one of the rival factions now warring

tenced to two years' imprison- the southerners withdrawing from 000 men on either side. Thus far the daily. ment on Thursday on a charge Pekin and leaving the north in pos- results are indecisive. Meanwhile, Dr. Sun, far down in Canton, suddenly | Mount Etna has broken out again refused to accept the unani- State at Canton was overthrown by Chang, and his troops are in motion and is emitting continuous roars, In 1919 Dr. Sun's new southern announces that he will join with with eruptions of increased violence, ticable in Canada is the conclusion mous verdict of not guilty, the militarists. He came back into to take Wu in the rear; but the mat- which can be heard for miles. Dense reached by Mr. A. S. L. Barnes, asrendered by a jury, which inpower at Canton in 1920 and resumed ter may be decided one way or anbia structure with the north. Many other before the Cantoners and the old.

full of excellent suggestions, but when rear and front. But if Wu is elimin- it was hinted that he might lend a ated, Chang and Dr. Sun will doubt- hand in executing some of them, his less face each other, late or soon.

The armies these rival gentry main- returns are in, how great is the comtain are estimated at 1,600,000 men. pany of claimants for the reward! The present curse of a traditionally The loudest of the doubting Thomasos pacifist China is a sordid militarism. are the very ones who rise up to de-It is hard to say which of the rival clare that the gold-bearing idea was parties is purest in intent. Even for their own, and all their own. They Chinese who know their way about in were on the safe side—the negative the mazes of their political chaos, it side-when the proposal was made.

China needs many things, including authors of the plan. a convention of rival factions and Men of action are not fooled by men clear the road. The upshot of it,, carious beginning. however, is more likely to be a further, utter and complete breakdown, The "Full-Time" System in followed by a famine as terrible as that to-day in Russia.

Genoa Living Costs Compel Poles to Leave

A piping voice then called out, "A piping voice then called out, " poses, using for domestic heating the establishment of a parallel rifles and uncrowned monarch of Mon-stumbling-block to that unification few are conscious. The public un-The former Austrian Empress Zita it two to three times the present heat units actually utilized, by the adoption their will sail from their units actually utilized, by the adoption the control of the existing government to usurp the regime. They call him break up the solidarity of the north fires, and education in this matter will and with Chang is isolating. We in the do much to reduce the present enorfortunately is a strong contributing of years it should certainly show its the Pekin regime. They call him Dr. Sun has seen his chance to factor in the origin of most forest superiority over the old system. home of exile in Madeira on May 16 of improved methods of combustion ment, making warfare inevit-

tongue was nimble with reasons why This fight is one for control. It is he must abstain. a battle between the "super-tuchuns." But when the success is won and the

But now, it appears, they were the

Taking Chances

Those who coddle themselves it

safe places fearful of shocks, de-

might and all his wit to get ahead.

He is to be pitied if he was born with

the proverbial silver spoon in his

poor little rich boy goes from par-

ental indulgence and the fluttering

care of a governess to a school where

his mother. If he is rich enough, he

may manage, all his life long, to

dodge every hardness, never setting

A real man hates to have every-

A man's man is he who dares and

ventures. He is neither heedless nor

he counts the cost; he is scientific

when he plans his factory or his ma-

tion," and the name stuck. He was

It is the easiest thing in the

peace between them; provincial self- of diction. They are not impressed by government; political unification and vapid talk. Those who stand with the ending of the "super-tuchuns." them at the successful end are those This warfare may be the only way to who were beside them at the pre-

Medicine.

The President of the University of Toronto has recently issued a memorandum dealing with the advantages of the new system which was intro-A despatch from Warsaw ment of Medicine and one year ago in means of a bond issue for construction work, there will still be upwards 1911-12. Dr. Sun Yat Sen was President and the return here on Thursday has been so adapted to local conditional republicant to the return here on Thursday has been so adapted to local conditional republicant to the return here on Thursday has been so adapted to local conditional republicant to the return here on Thursday has been so adapted to local conditional republicant to the return here on Thursday has been so adapted to local conditional republicant to the return here on Thursday has been so adapted to local conditional republicant to the return here on Thursday has been so adapted to local conditional republicant to the return here on Thursday has been so adapted to local conditional republicant to the return here on Thursday has been so adapted to local conditional republicant to the return here on Thursday has been so adapted to local conditional republicant to the return here on Thursday has been so adapted to local conditional republicant to the return here on Thursday has been so adapted to local conditional republicant to the return here on Thursday has been so adapted to local conditional republicant to the return here on Thursday has been so adapted to local conditional republicant to the return here on Thursday has been so adapted to local conditional republicant to the return here on Thursday has been so adapted to local conditional republicant to the return here on Thursday has been so adapted to local conditional republicant to the return here on Thursday has been so adapted to local conditional republicant to the return here on Thursday has been so adapted to local conditional republicant to the return here on Thursday has been so adapted to local conditional republicant to the return here on Thursday has been so adapted to local conditional republicant to the return here on Thursday has been so adapted to local conditional republicant to the return here on Thursday has been so adapted to local conditional republicant t of \$1,000,000 remaining each year to provide for maintenance.

Drices Town Start be upwards of \$1,000,000 remaining each year to dent of the first provisional republican tuchuns," one Wu Pei Fu, holds forth in the valley of the Yangtze-Kiang. Wu is a "reformist" after his own delegation of secretaries and and future requirements so far as the instructional staff is concerned. There mperialist, succeeded Dr. Sun in 1912. Wu is a "reformist" after his own In 1913 a second revolution started formula. His forces have attacked stenographers. The Polish instructional staff is concerned. There are full-time senior instructors, part-Indian Seditionist in the south and was crushed by Yuan. Again in 1915 the south revolted and blocked Yuan's ambition to make him- by a shadowy republic whose Presi-A despatch from Ahmeda-blocked Yuan's ambition to make him-by a shadowy republic whose Fresibad, India, says:—Hazrat Mo-lin 1917 Chang Hsun, in the north, nounces he will set up an "anti-Occiof maintaining the entire deletouch with the actual work of the control of the contro Moslem League, was sentime. That year saw a fourth revolt, been on between armies of about 50,
tenced to two years' imprison tried to restore the Manchus. His dental regime."

For several days the fighting has been on between armies of about 50,
to several million Polish marks is to his university classes and his second duty is to engage in and to direct research. In this way both phases of the doctor's work receive a fair share of emphasis. From the part-time clinicians the full-time sencluded five Indians. A second while, the northern government gainor men of the future will be chosen Said the inspector: "What appearsued by the Council for Scientific and charge of inciting to war was ed recognition from the Powers and Pekin by Chang in 1920 can get to whole people. They have an importdently been very carefully planned and

Turnstile Gate Counts Busy

Bees. Experts of the U.S. Government Bureau of Entomology have invented a contrivance for counting the bees that go out of a hive. It is in effect a turnstile gate, operated by electricity, and, placed at the hive entrance, permits only one bee to pass at a time. One object of the invention is to find out how many bees in a hive go out each day in search of nectar for honey-making, and to what extent this field work is governed by temperature and other meteorological conditions from day to day and from month to month.

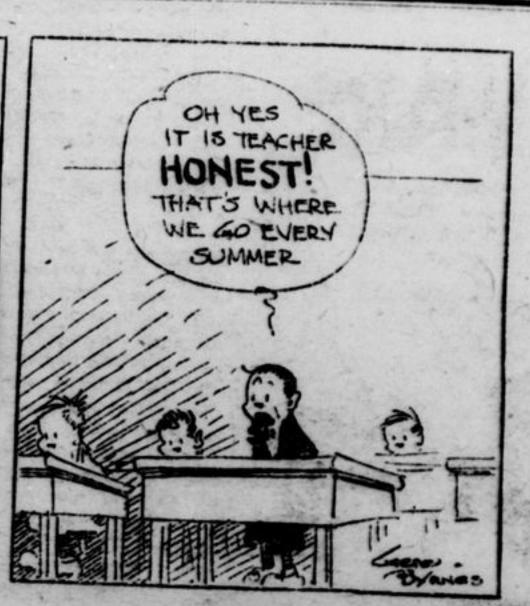
The population of an average hive is about 300,000. Of necessity a good deal of the worker bees' time must be devoted to comb-building and to the care and feeding of the young larvae. But nobody knows just how their duties are arranged, or whether there is a division of labor among them as business of nactor-gathering. It is hoped by the stile to discover some

REGLAR FELLERS—By Gene Byrnes









ONTARIO ARCHIVES TORONTO