## EGIN ON HANNEL TUNNEL

ROJECTED SCHEME TO ENGLAND AND FRANCE.

iger Lies in Geological Fors, Say Experts—Layers of hite and Gray Chalk.

interest has been aroused by rnment's announcement that -projected tunnel under the hannel to connect England ce is soon to be constructed. of the enterprise is roughly at/\$100,000,000. Some say el could be completed in five

alf years. nission in Baris; which has ussing this project also is ig the building of tunnels unand one from Gibralltar con-

glish Channel Tonnel Comady has done a vast amount dual construction of the tunince. Engineering plans are so far advanced that the d begin at once.

Only to Panama Canal. e exception of the Panama including approaches in If miles of it under the sea provide for two tunnels,

lost doddst tried above the he tunnel to provide against on enemy attack with sub-The tunnel's the son thus will be about

a will be built as the tennel The extraordinary advance oneting in recent years, esthe United States, will enngineers to proceed with The railway lines will be cleatricity, as in the case plou tunnel under the Swiss he war the offickest service ion to Paris was in six hours, ive minutes With the tanarney could be made in son. dver the weather

of the problems of buildincl. English engineers say if offers no difficulty that sk . Hes in the geological The first layer under the white chalk some 300 feet great duestion is whether talk to impervious to water. points of starting the tunbeen désermined, but éxt favors a spot just belind.

ESEMBLING DIAMONDS. culiar Lustre of the Gem

noisbe Imitated. plass (or "paste") diamond ght in the show window. phayed. It has '61 well of a real diamond, with packle of-reflected light. engily deceived, the everyr. But an expert would is lacks the peculiar different, which is not by The Auchessfully imitated, very long, owing to loss polish. It is deprived of

brillfancy. however, certain natural with proper cutting, do iccess, even to its lusterad and glittering-which call "eclat.". One of these cas zivena.

em-stone that serves the ost equally well is the applifie, the hardness of, ering it capable of an exh polish) approaches that and. When cut it has a remark, in a degree, ap-

orless, topaz, which wears akes an extremely high exhibiting a display of of the largest alleged diaworld is the uncut "Bra-Sixing to the government which is suspected to be

days even rock-crystal amond. Only within comcent years has there been lowledge of gem-stones. lern expert cannot be decolorless beryl, for bx- : when well cut a very diamond-like stone, but

in the morning during

nlanta ia also halaful.

pass it off on a fairly inwebroker for a real dia-America two dainties are laked centipedes. i damping-off, water the

ion the frame has to be. most of the time. All out air, while the soil is here is much bottom heat, sure to cause the trouble. rinkled on top of the soil MARION & MARION 34 Datestifa 27 Chx erterpans

## The Markdale

STANDARD
is published on Weednesday by C. W. RUTLEDGE

SUBSCRIPTION:-to subscribers in Goada, \$1.50 a year; in the United States \$2.00. Twenty-five cents added sher not paid in advance. No paper continued until all arrears are puld, except at the option of the publisher. Licensed Auctioneer for the County

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C. G. C. P. No. 399. 1 Maridale Council Congdian Order From Fronds, No. 350, moots sec-Minds in the touch in Sarjeant's lad at 8 o'clock? A Jackson, Chief aviiller; Healt M. Lewing Recorder.

SAUGEEN LUDGE, No. 327,

1.0.0 F. Meets first and third Wednesday in the month of 7.30 p.m., in their hall, dain street. Visiting brethren always recome. Herb M. Iswin, N.C.; Alex, McEachnie, Sec ..

MARKDALE, LOL. No. 1045. Meets in Sarjeant's block on Thursday evening on or before full moon in each month. Visiting brethren made recome. Earl Davie, W.M.; John McPadden, Secretary.

which will be gent free.

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VOL. 39 "

Markdale.

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ed to. Farm sales a specialty. Ar-

rangements for sales may be made at

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icense and am prepared to meet the

demands of the public in this capa-

city. Farm sales a specialty.-F. A.

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lied artillery fire.

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# farm (rop Queries

Conducted by Professor Henry G. Bell The object of this department is to place at the ser-Burnside. Licensed Auctioneer for

The object of this department is to place at the service of our farm readers the acyce of an acknowledged authority on all subjects pertaining to solls and crops.

Address all questions to Professor Henry G. Bell, in care of The Wilson Publishing Company, Limited, Toronto, and snavers will appear in this column in the order in which they are received. When writing kindly them which they are received. When writing kindly them this paper. As space is limited it is advisable where immediate reply is necessary that a stamped and addressed envelope be enclosed with the question, when the answer will be availed direct.

Two Timely Topics. ions of the Province, corn, potatoes to dissolve it. and other hoed crops are being plant-ed, and will soon be ready for culti-trated plantfood, hence should be vation. Annually a considerable mixed with the soil for best results, amount of damage is done by unwise No difficulty will be found in this retillage of the soil while the crops are gard with any crops except potatoes. growing. The time to work the soil, Sometimes with a heavy fertilizer to pulverize it and to mellow it for application there is, a tendency

tion is to maintain a loose dust mulch piece is dropped. The despatch says that fighting on the surface, so as to prevent exfeet first insertion and 5c per line for appears to have stopped for the time cessive escape of soil moisture. Water of fertilizers renders its greatest being in, the southern Crimea. The is the carrier of plantfood, hence if service to most crops by giving them Memorial poetry, one cent a word. Bolsheviki are said to be slackening a large amount of it is allowed to an early vigorous start. This means Com of thanks, one cent a word, their advance in the face of the alescape either before the plant makes that the fertilizers must be worked its maximum growth or during the into the soil at a depth where the A Russian wireless message re- time of its maturing, a partial or to- roots of the tiny growing plants of ceived in London Sunday night said tal starvation of the crop will result, whatever crop can reach it and feed that Sebastopol had been evacuated since no solid plantfood can be taken upon it. 152 Advertisements subject to the by the Crimean Government. The up by the plant. Most people think Government of Sebastopol was said that the chief aim of cultivation is plication. Isomation to sepastopol was same to sepastopol was same to kill weeds. This really is a section to be in the hands of a revolutionary to kill weeds. This really is a section to be in the hands of a revolutionary consideration, although it is can be obtained from broadcasting.—Paying results by the neighborhood as a whole in of entertainment, and the social fearmant date since week amounts subscribed. There will be music and other forms time is from the per cent. to twenty the neighborhood as a whole in of entertainment, and the social fearmant date since week. There are

> tor to cultivate deep or shallow?"
> The man on heavy clay soil is inclined to favor deep cultivation, while his neighbor on medium loam or light soil thinks that deep cultivation does extreme and bury the fertilizer too not prove profitable. Let us present soil thinks that deep cultivation does extreme and bury the fertilizer too hood pride in our part in this great- be charts and maps prepared by the work which requires backing heavy of not prove profitable. Let us present deeply.

deeper as season advanced 20.5 tons per acre. This test puts a premium on deepest cultivation early in the season, running shall over as the season advances. The result is easily understood, when you consider that the roots are the feeding parts of the plant. Deep cultivation throughout the season and close up to the plant, means the pruning off of many grow-

ing roots. This virtually means the starvation of the crop. Ohio Experiment Station as result of 9 years test, got an increase of 4 bus. of grain and 213 lbs. of corn stalks per acre where the cultivation was comparatively shallow as com-They gave three extra cultivations that there is little advantage the third cultivation is reached, after best results will be obtained which it should be as shallow as keeping this comparatively

six cultivations gave the best results. izers is capable of improving yields How to Fertilize. At this time the materially and of hastening maturity soil in many parts of the country is which means so much to the ensilage being disked and harrowed, and the grower.

seeding of spring grains is being 4. Side-Dressing.—In some secgrain drill.

application are:-First, fertilizers are carriers of phosphoric acid or straight acid de Guerre), of which almost 1,400,000 available plantfood which becomes phosphate at the rate of about 200 to were of the lowest classes.

available as quickly as it comes By this time, in the warmer sec- contact with sufficient soil moisture

Paris, April 21.—The naval port of most crops, is before the seed is crop the piece of potato right on Sebastopol, in the Crimea, has not sown. It is false economy to attempt top of the fertilizer. This is not been occupied by Russian Soviet to work down the seedbed when the good practice. Modern potato plantissertion and 25c for each subsequent troops, according to a despatch to crops are growing.

The fundamental idea of cultivafertilizer with the soil before the

Now as to actual methods of

godiations with the allied command are robbers of both plantfood and when the soil has been worked down All core positives required to the goestions with the annual been reached for moisture. They should be kept under to fairly fine mellow form. If you

deeply.

2. Drilling.—For crops whose roots seem to bad that the time and in 1902, 1903 and 1904, conducted a cultivation test with corn, and published their findings as follows: 1. Deep cultivation growing shallower as the season advanced yielded 21.9 tons per acre; 2. Shallow cultivation throughout the season 21.2 tons per acre; 3. Deep cultivation throughout the season 21.2 tons per acre; 4. Shallow cultivation throughout the season 20.8 tons per acre; 4. Shallow cultivation at first getting of plantfood which to weaker deeper as season advanced 20.5 tons the season 20.8 tons per acre; 4. Shallow cultivation at first getting of plantfood which to weaker deeper as season advanced 20.5 tons the season 20.8 tons per acre; 4. Shallow cultivation at first getting out of plantfood which to weaker deeper as season advanced 20.5 tons the season 20.8 tons per acre; 4. Shallow cultivation at first getting out of plantfood which to weaker deeper as season advanced 20.5 tons the season 20.8 tons per acre; 4. Shallow cultivation at first getting out of the plantfood which to weaker the season 20.8 tons per acre; 4. Shallow cultivation at first getting out of the season 20.8 tons per acre; 4. Shallow cultivation at first getting out of the season 20.8 tons per acre; 4. Shallow cultivation at first getting out of the season 20.8 tons per acre; 4. Shallow cultivation at first getting out of the season 20.8 tons per acre; 4. Shallow cultivation at first getting the season 20.8 tons per acre; 4. Shallow cultivation at first getting the season 20.8 tons pe crops would be unavailable, because they could not reach it. 3. Special Planters .- There

planters, which should be of great interest at this time. In previous articles we have already shown the value in yield-increase of fertilizing crops. In some sections we find some hesitancy in regard to the fertiliza-tion of corn, potatoes, etc., with planters, on the plea that if the fertilizer is deposited in the row, it will tend to bunch the roots, and will tend to bunch the roots, and so localize them that the plant will have poor chances of surviving a continupared with deep cultivation. The lous drought. From careful investigashallow cultivation consisted in mere-ly stirring the soil to a depth of ried altogether too far. While we do about 1½ inches. Ohio Station also not favor continuous heavy fertilizconducted a test as to the value of ing in the row for all hoed crops, yet extra cultivation late in the season, actual experimentation has shown about ten days apart. Comparing this broadcasting fertilizer on medium with the ordinary preparation of loam soils over applying it in the corn they got 59.8 bus, per acre by row, especially in potatoes. The ordinary cultivation and 61.9 bus, per Maine Experiment Station, after acre where the extra cultivations careful investigation of this prob-were carried on. While there was a lem, says that up to 1,500 lbs. of slight gain, it was made at consider- fertilizer per acre can be profitably able cost, in fact such a cost as would applied in the row to potatoes. From render the practice unprofitable. observation of extensive potato In advising corn cultivation the growing practice, however, we be-Indiana Station says, "As to the lieve that when the grower is applydepth of cultivation it seems advis- ing above 600 lbs. of fertilizer per able under ordinary conditions to acre, he would do well to broadcast cultivate deep the first time and then part of the application. Certainly at go a little shallower each time until rates of 200 to 400 lbs. per acre the possible, in order to prevent injury amount of plantfood as close to the to the roots." As to the number of young growing crop as possible. This

cultivations the Indiana Station says is done by planter application. that as an average of four years test readily digestible plantfood of fertil-

rushed. Shortly the planting of corn, tions of Ohio and Indiana good repotatoes and other hoed crops will sults are being obtained by a second follow. The addition of available application of fertilizer at the time plantfood in the form of fertilizers of the second and fourth cultivations has been made to grain either by of corn. This is made by attaching a broadcasting the fertilizer ' as you fertilizer dropping attachment to the would lime before the last harrowing, ordinary two-row cultivator. The or by applying it through the fertil- fertilizer is dropped in front of the izer drilling compartment of the cultivator and is worked into the soil mind when considering methods of ed on heavily manured ground this of the war to March 1 France has

## PRESERVING OUR LOCAL WAR-TIME RECORD

Our neighborhood takes pride in was not that they lacked material. the fact that it did its full share in but they did not seem to know how the great war. Some of our boys to make use of it. Then the audience are back again, and we expect the began to ask questions. Pretty soon rest before a great while—all but they forgot their awkwardness and two who gave up their lives.

warmed up to the subject under the Our village is only about two hun- sympathetic interest of their own ired population, but we have a good home folks. In the end, we had graded school building. When the learned more about trench life and war-ended last November we held a other features of soldiering than we jubilee meeting at the school house. had ever known from our reading. On that occasion someone proposed We propose that all of the boys shall that we organize a War Historical contribute in this way in the course Spriety. The idea was adopted. Since of time. Some of the stories will be that time we have had a number of worth repeating over and over again. meetings, and the movement is well We were represented in different

under way. branches of the service. I might tell The object of the society, in the of a neighbor lad who had never main, is to gather up and preserve been a hundred miles away from all kinds, of information pertaining home before he went into military to our neighborhood war activities. training. Within a year he was fight-One committee has charge of an of- ing above the clouds, in a foreign ficial record of each soldier. It begins land which he perhaps never expected with the date of his leaving home to see, and in a machine with which and follows him up to the training he was previously familiar only camp and then all through his serv- through having seen pictures of it. ide until he is mustered out: His He has now taken up his farm work entire time will be accounted for, where he left off. Such things almost and every incident of his career as a stagger the imagination when you soldier recorded. The human interest know the lad and he stunds before factor is being handled by another you. committee. Letters written to par- All of these experiences I suppose ents and others have been pretty gen- will be told glibly enough at future erally preserved, and they supply "campfires," long after we older much interesting incident, humorous people have passed on, but it is a and otherwise. Then we are hearing great privilege for us to hear them

some good stories from the boys who now, and at first hand. We believe that our society will be a permanent! All war-time activities of those of institution. What it stands for will us who, stayed at home are also to have a larger significance the farthgiven full consideration in the way er we get from the war. At the outof permanent record. Patriotic meet- set we will not let the interest lag money-raising campaigns, crop stature will be emphasized. There are tistics and so on, will be included. In scarcely any of us but what had some the foods of this loss occurs before short, we are going to have a compart in war activities of one kind on the foods of two weeks old. Much short, we are going to have a com- part in war activities of one kind or, of this loss of due to lack of attention plete war-time history. It will take another, and we like to get together and care, other before, during or an agreement had been reached for moisture. They should be kept under an armistice of eight days, to expire strict control, if the lioed crop is to are applying fertilizer in this way, be sure to give the soil thorough be sure to give the soil thorough and care, but and gossip over these matters.

Now the question arises. Is it bet-harrowings after the fertilizer is applying a population of the sure to give the soil thorough and care, and car

tion we will be getting out of the the cause of democracy. As a living but particularly to when the fool is meetings. We have already had a memorial to their sacrifice, this or taste of this. Two weeks ago we got ganization will mean more to them special fertilizer dropping attach- two our soldier boys on the plat- than would a marble monument, ments for potato planters and corn form to tell us of their experiences, though that may come in due time.

300 lbs. per acre should pay hand-

somely. In the home garden or on the comparatively small potato patch on the farm, fertilizers can be satisfactorily applied at the time that the pos tatoes or corn or other lived crops are being planted. When the hill is of the world, it is conceivable that no marked or the planting furrow is important city will be further from opened, dust the fertilizer along in London than ten days' journey, and the bottom of the hill or furrow and the following table gives the line that pull in a light covering of soil on top would be taken to reach several imof it before dropping the seed corn portant cities when airship ocean Foreign A

or potato piece.

The main point to keep in mind is the actual nature of fertilizer and to so apply it that it can dissolve readily and be taken up by the crop.

AERIAL SERVICE FOR AUSTRALIA Melbourne, Australia, April' 21.-An aerial service between the larger cities of Australia is contemplated only two of which would be in comby July of the present year. The work mission at a time; so that each vessel forces and a mamont, she still had s to be undertaken by an Australian company, which has asked for permission to be registered. The com- make one double journey a week, thus ready indicated by the despatch of pany claims to be backed by leading financiers and purposes to make an immelliate survey of flight routes! and to secure sites for girdromes.

ALLIED SUCCESS

AT ARCHANGEL

London, April 21:-Twenty-eight Bolsheviki, including one officer, were captured by allied troops in the raid at Seletskoe, on the Kadish front, south-east of Archangel, on April 13, an official statement from the British War Office to-day says. Many of the enemy were killed and several sleds loaded with wounded were seen moving away from the scene of the fight.

1.849.800 MEDALS SHOW BRAVERY OF FRENCH TROOPS

as the cultivator teeth stir the Paris, April 21.-Announcement is The underlying ideas to keep in ground. Where corn has been plant, made here that from the beginning side-application of fertilizer, high in awarded 1,849,800 war crosses (Croix

nte Proved Usclese Until

ACU E NERVOUS



R.R. . 4. Gilbert Plains, Man. gear 1910, I had Nevedus Prostrate in its worst form ; was reduced in Freight from 170 pounds to 115 por

The doopers had no hope of my recovery, and every medicino I tried ss until a friend induced . medo take Fruit-a-tices". I began

mend almost at once : hing this fruit medicine and after for 8 or 4 months, I was back to my normal stall of health. .

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50c. a bold 6 for \$2.50, trial si e 2 e. At all de ars, or sent po toaid on receipt o price by Fruit-a-ther Limited, C

The sould of ravel trouble to foals is governally a dirty stable or yord. As Manafeguard against beavel disease," the navel should be tied, dipped in the solution of tincture of Ten Days' Journey to the Other End on grass, gaich lessens the danger of navel is action to a great extent. With the development of afrahip of navel

> BILD UP MACHINE IN A TORFIGN COUNTRY

Paris, April 21. The Council of disters to-day approved provision of the peace treaty intered to forestall any of fort the Giffmans might make to reestablish a garlitary machine by milizing outsi & forecs. The article prohibits the anding of German , mil. itary instrictors to foreign countries. It was referred to the dealt-

- It was rillized that however comn use on the Transatlantic service, plere might be the restrictions up a could lay up afternate weeks for over- in her power considerable forces that hauling and refitting. Each ship would might be giving two "sailings" each day per German offers to Russia This meaker has become partie of manding officer, two navigating officer, allig De between German, pof cors, two steersmen, two slevytor men. Russia.

frequent amplications of better than heavy ones

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