## ONDON TO CAPE OF GOOD HOPE

LL-RAIL ROUTE POSSIBLE IN THE NEAR FUTURE

unnels Under the English Channel and Bosporus Would Pave Way For Marvellous Railroad.

By the time that trains are runing under the British Channel, conecting Lnoden with Paris-which ight to be within half a dozen years. rom now-there is likely to be a annel beneath the Bosporus. With these two borings accom-

ished, it will be entirely practicable establish an all-rail route from ondon to the Cape of Good Hope. unning clear across Europe and the hole length of Africa. Cecil Rhodes's. Cape to Cairo" dream may be far tdone by accomplished fact. Suggestion has been made of a

nnel beneath the Straits of Gibaltar; but it ought to be obvious at such a scheme, while extremely pensive, would have no compensatvalue. Its only important usefulas would be to connect France with r African possessions, and, to acimplish this, she would be obliged pass through Spanish territory. On the other hand, the Bosporus bute would go by way of Mesopooints through thickly populated reens, making Jerusalem an importnt junction and traffic centre, and

lighteen Miles Across Bosporus. atural canal, luckily fashioned by cologic forces in such a way as toonnect the Sea of Marmora with the linck Sen. It probably represents m ancient "fault line" in the earth's cust, where Asia was broken off fom Europe incidentally to some big errestrial disturbance.

sence striking Cairo with a jump-

ver the Suez Canal.

It is a narrow strait eighteen miles ang, at one place only 800 yards unnel will have to be dug far down he further possibility that the rocktructure beneath the strait may he "faulting" above mentioned), it possible that it will be found exedient to bridge the Bosporusfficult though the problem would be rather than to bore under it.

The scenery along the strait is unorld, the wooded heights, on either and sprinkled with picturesque viliges, while on the European side are any palatial residences of citizens Constantinople.

ANTWERP DIAMOND TRADE.

et up business and quickly became

With the armistice many of them turned to Antwerp, but others refined and this finally aroused the recomaster of Antwerp, who wanted industry restored to its old basis. mpting offers were made, but masand men among the Jews declined offers unless they were recognized of Jewish nationality instead of as zens of the countries in which they te born. The question went before authorities in Brussels, and the ded of the men was granted.

is stated in London that diamond chants and workers of all nationes except Germans and German are now to be admitted to Antand bundreds of them are hurto the city. Their former houses to be restored to them and the ishings and equipment carried off he Cermans are to be replaced by

fore the war the Saturday night eded with London brokers and ney with which to buy Antwerp diaads. Sunday and Monday would riven over to bargaining, and Monnight would see the same crowd their way back, their pockets filled diamonds instead of money.

will be several months before ping arrangements will be such o permit Antwerp to entertain and authorities are of the opinion before autumn comes the city will firmly re-established its profitpremier industry.

asdom is the principal thing; ore get wisdom; and, with all cetting, get understanding."erbs iv., 7.

folding down the a-tomobile e careful that none of the cloth gat in between the bows where netal parts come together. The will be worn through and the



Conducted by Professor Henry G. Bell The object of this department is to place at the service of our farm readers the advice of an acknowledged Address all questions to Professor Henry G. Beil, in care of The Wilson Publishing Company, Limited, Toronto, and answers will appear in this column in the order in which they are received. When writing kindly mention 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 mailed direct.

Garden Preparation

water being shut out.

a very shallow raking so as to leave

a thin dust mulch on top. This dust

mulch will prevent further escape of

an exceedingly valuable garden fer-

plowed in the spring.

Have you prepared your garden time in the preparation of the garden the day. soil? If not, immediate action is soil. Early spring application at the Remember that success in the home imperative if you are to get paying time the soil is being first worked is garden is attained by making plants results for this year's efforts. Many possibly the most satisfactory time comfortable, giving them a suitgardens were dug in the autumn and to apply it. Scatter the air-slaked able home and supplying them the soil through exposure to the burnt lime, or ground limestone or with an abundance of frosts of winter were broken down marl on top of the plowed garden and balanced plantfood. into a mellow fine seedbed. This work it into the soil by harrowing ily disease and insects effect garden packs most favorably, so that mois- and raking. One hundred pounds of crops, but with these and their conture conditions for the growing crops lime will give a beneficial application, trol we will deal at a later date. is as it should be. In many other in- to a garden 20 x 30 feet. stances, however, the garden has to

be dug in the spring and planted keep up the plantfood of the soil within a short time. The big point without manure. This can be done to keep in mind in this first step in by the proper use of fertilizers. Purpreparation of the garden soil, is that chase a good garden fertilizer. One air space in the garden soil is highly carrying at least 3 to 4 per cent. amdesirable, but may be carried to such monia, about 6 to 8 per cent. phosan extent that it becomes a decided phoric acid and 3 to 5 per cent potashdetriment. These results follow the This can be purchased from any of digging or plowing of the garden, the standard fertilizer manufacturers. Sometimes a considerable amount of For best results you will need about leaves or strawy manure is dug in at 75 to 100 lbs. for a garden measuring the six or eight inches of soil that is the amount necessary for this first application. When the garden is dug forming a loose open mat between the or plowed scatter the 75 pounds evenmoist soil below and the upper soil The cure is simple. Carefully rake and work the soil, being sure to stamp it down when the seeds are

soil moisture. All garden soils should sults by making second and third ap- course of this world," forgetting twenty feet deep, the wind does not be dug or plowed now at the very plications of fertilizer during the or not knowing their kinship to a strike the rear where the birds are earliest moment. The longer they growing season. That is, when the higher order, their true citizenship, roosting. stand the more waste of soil moisture beets, carrots, beans, etc., are grow- which was in heaven. The "spirit of A house of this kind can have a cethere will be. Remember that soil ing I scatter a light application of disobedience" had governed them, not ment floor, double board floor or sand moisture is a carrier of plantfood. Without it no plantfood can be taken fore I cultivate the second, fourth and come "children of wrath," subject to ment foundation to keep out rats, but sixth time. This provides additional the displeasure of God. The picture the floor is of sand. A floor of garden available food for the growing crops drawn is, in its essential features, loam is not satisfactory as much of is the manure question. Manure is and greatly hastens their growth. that of the sinner in every age, and the dirt will soon turn to dust when getting scarcer and scarcer and high When setting out cabbage, toma- it is as true as it is unlovely. The the birds are scratching and the house in price as well as relatively poor in toes or when planting potatoes, or case would have been hopeless indeed and air become very unclean. The quality. Good live-stock manure is corn, drop a small handful of fertil- but for the mercy of God.

tilizer, but street sweepings which receive the potato piece or plant. Mix "for his great love wherewith he lov- satisfactory. some plant matter which quickly be- help a great deal also. account of it providing a home for A similiar treatment of the fertil- righteousness, and this not because by thirty will house one hundred and the soil bacteria. The humus also ity question for the flower garden of our merit or of our deserving, but fifty birds. A height of eight feet in gives the soil power to retain mois- will be found to give exceedingly of His own free grace. It is as front and four and a half feet in the ture and soluble plantfood. Then, good results. Some gardeners are in though, figuratively speaking, we had rear will be satisfactory. in view of the scarcity of manure, the the habit of using a considerable am- died with Christ and been raised up home gardener wants to know how ount of nitrate of soda, which is one again with Him. The new life is he shall keep up the humus of his of the important carriers of nitrogen the Christlike life. It is following or ammonia in fertilizers. This is the example of Christ. It is taking Our answer is to maintain a com- an exceedingly soluble hence rapidly Him as our Leader and consecrating post heap at one end or corner of available plantfood. It supplies the ourselves in sworn allegiance to Him.

ing it lightly with soil so as to pre- the amateur gardener, if he uses ni- places."

provide moisture enough to encourage ing. loamy soil which should be spread handful of fertilizer scattered around places. over the surface of the garden after the roots of the growing bushes will "In the ages to come." God has the garden soil has been dug. This greatly help, up to the time of the done great things for us, but there learny seil can be worked in at the setting of the fruit. It will result are still better things to come. For time the garden is being harrowed in a larger setting of fruit and pro- He has raised us into-this new life and raked. Keeping it as near the duct of better quality. For the gar- with Christ for this very purpose, "to surface as possible will insure it rend- den apple tree, cherry trees, plums, display throughout ages to come his ering a maximum help during the etc., scatter about 5 to 10 lbs, of surpassing wealth of grace and goodfertilizer per tree in a circle reach- ness toward us in Christ Jesus." We Another great help in maintaining ing out from the tree about as far as are saved by grace, and we are saved

the humus of the soil is to follow the branches extend. the early crops with some cover crops The moisture question is one of did and glorious hope we have in our such as rye, winter wheat, or a mix- the all-important problems of the relationship to God through Jesus ture of either of these grains with garden. Numerous charming stories Christ. We shall be like Christ. The vetches. Scatter this seed over the of dry-land farmers occasionally lead glory of His virtue shall be ours. surface of the patch where the early home gardeners to wonder why in a In knowledge, in character, in praise potatoes have been dug, early cab- dry season their gardens will not pro- of all goodness, and in achievement, bage cut or other early crops taken duce satisfactory results. The rea- we shall advance with Him through off. Rake it in and very quickly a son is that the garden crops are not the ages. green covering of the soil will result. dry-land crops; garden crops are of "By grace . . . through faith." This green covering may make a con- such a nature that they require an By the loving favor and goodness of siderable growth during the summer. enormous amount of water in order God who receives us in spite of our Let it stand over winter and turn it to meet their daily needs. Some idea sins when we come to Him, and under when the garden is dug or of the large quantity of water that through Christ our Redeemer in is necessary will be gathered from whom we trust, we are saved. Faith It may possibly be that the soil is the reports of investigators who say in Christ means trusting and followslightly sour. This would result from that for every pound of dry matter in ing Him. It is therefore coming by a heavy cropping of garden truck or garden truck that is harvested, at the aid of His Spirit into a right atfrom bad drainage. It is most likely least 500 lbs. of water is required, titude and relationship to God. Faith to occur on very heavy clay soils, or during the growing season of the is enlistment. It is hearing and reson light sandy soils. If it occurs on crop. A large amount of this water ponding to the call. It is above all light sandy soils it is fairly likely to can be stored up by early proper trusting and obeying God, and here be the result of the lime leaching working of the soil. In hundreds of Jesus Christ Himself is our great exout of the soil. Of course the cure homes there is equipment for sprink- ample of faith. True faith becomes is to add lime. This can be purchased ling the garden. When the garden is thus the starting-point of the Chrisin several forms, such as ground thoroughly sprinkled you must re- tian life, and all good works follow as limestone, marl or air-slaked burnt member that beside adding water for its fruits, or rather as the fruits of lime. If purchased in the form of the plant you have connected up the the Spirit which God gives in resground limestone it is highly benefit water tubes from the surface of the porto to our faith. cial to the soil and does not tend to soil down to the area wherein the Moffatt translates vs. 9, 10, "It is burn out the humus of the soil. The crops are feeding. This means that not your doing but God's gift, not the same is true of marl. If applied in as soon as the sun shines, evaporation outcome of what you have done-lest the form of air-slaked burnt lime, it starts, and not only will some of the anyone should pride himself on that;

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water tubes there may be actually a loss of the stored up moisture of the soil, unless the foliage of the slightly, then stir it with a light cultivation so as to prevent the loss of moisture. It is by all means best garden. Lime can be applied any sprinkle it during the sunny part of



INTERNATIONAL LESSON MAY 18.

6:8; Ex. 34: 6, 7; 2 Cor. 12:9; Eph. 2:4-10; Titus 2:11-14.

Golden Text, Acts 15:11. when you open the drills scatter a the gospel of the Lord Jesus Christ. The front section is four and a half . light dressing of fertilizer into the They had been "dead in trespasses feet high in front and five and a half drill and cover it lightly with soil and sins," the higher nature stricken feet at the rear. The lower front just before you drop the seed, and into insensibility, the instincts of section is only covered with quarterproceed as usual. The point is to truth and honor and kindness destroy- inch mesh wire cloth to keep in the stevens, l'eterborough. Ont. avoid dropping the seed on top of ed, flesh and its lusts triumphant. birds, keep out sparrows and help to fertilizers. I have obtained good re- They had "walked according to the break the wind. As the house is

this fertilizer with the soil before the ed us," God, the apostle says, "hath Some breeders find the shed-roof seed piece or plant is set. A side- quickened us together with Christ." poultry houses easy to build as well dressing of these growing crops will He has raised us from the death of as somewhat cheaper than the semisin to the new life of faith and of monitor. A shed-roof house twenty the garden. Into this heap throw all kind of plantfood that causes the And it is more than following, and vegetable leaves, straw, and plant growth of leaves, and stalk and de- more than serving: it is also sitting rubbish that may accumulate, cover- lays the ripening of the crop, hence together with Him "in Heavenly

vent the material drying and being trate of soda, should be careful not For the man who is thus transformblown away. If possible, in the fall to overdo the dose which he applies ed and renewed in heart and mind is get a load or two of sods and turn to the crop, else he will send the no longer occupied solely with getting these grass downward in layers over crop all to stalk as in the case of along in the world and enjoying its the compost heap. Sometimes it is tomatoes too heavily fertilized with pleasures. He is seeking first "the good practice to sprinkle the heap so nitrogen carriers, and will suffer kingdom of God and his righteousthat sufficient water may trickle through the small yield of fruit which ness." He is setting his mind on the down through it to prevent burning of results. The prolonging of the grow- higher things of truth and cleanness the rubbish and at the same time ing season also will delay the ripen- of soul and the will of God and service to his fellow men, and in all this bacterial growth. In this spring this For garden cane-fruit, such as rasp- he finds the joy and strength and compost heap will cut down into rich berries, gooseberries, and currants, a clearness of vision of the heavenly

in hope, and it is indeed a very splen-

tends to gather together fine clay water you have added be evaporated, God has made us what we are, cresoil, improving the texture of the clay but as a result of connecting up the ating us in Christ Jesus for the good

deeds which are prepared beforehand When Saving by God as our sphere of action." Titus 2: 11-14. The Grace That Brings Salvation. Here Paul is speak-Becomes a Loss ing of the conduct and character of

true servants of God, true followers of the Lord Jesus Christ. He is coun- try are not erecting necessary build- who begins lessons on a cheap, secselling temperance, seriousness, stead- ings because price of lumber and end-hand piano because her parents fastness, love of home, chastity, self- shingles has advanced. control, sound speech, fidelity even in In every section of the country in places of humble service. For, he late fall and early winter implements says, God's grace that brings salva- are left in the field where they were plant shades the ground from direct tion 'hath appeared to all men, teach- last used. This refers to plows, harsunlight. It is good practice after ing us that, denying ungodliness and rows, seeders, binders, mowers and thoroughly seaking the garden to give worldly lusts, we should live soberly, other agricultural implements. They righteously and godly in this present lie in the field exposed to wind, rain world." And so grace saves and and snow and remain exposed to these grace teaches. We are happy indeed conditions until they are again reif we learn its lessons. And while we quired for use. The hardwood used practice to water the garden thor- learn we sherish the "blessed hope" in the manufacture of wooden parts oughly towards sundown, rather than of the manifestation of God and of soon shows the result of this mis-Christ to the whole world. That is treatment, as also the iron parts in a the hope of the Gospel, a hope that lesser degree, and in a few years these will surely be fulfilled through the implements are eligible candidates

extension of the Gospel to all lands. for the funk pile. The grace of our Lord Jesus Christ is well described in verse 14. He must be replaced, and the price of one "gave Himself for us" to redeem our new binder would cover the cost of a peculiar people" (or, as Moffatt renders, "a clean people") "zealous of good works."

House for One Hundred and Fifty Hens.

It is generally considered that a on you too frequently. It does not pay. hen needs about four square feet of floor space. A house twenty feet deep and thirty feet long will give the birds a range of six hundred square There is no question in the minds

cement floor covered with a couple of izer into the hole that is opened to Because He is rich in mercy, and inches of sand seems to be the most

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Comes a time these implements niquity and "purify unto himself a building large enough to protect and prolong the life of all necessary working equipment for the farm. Doing without that shed looks like saving money, but it certainly does not save implements. Implements cost good money. Implements and tools destroyed through lack of care is equivalent to destroying money. Commence to save or save more. Build a shed for the implements. Do not make it necessary to have the junk man call

25 x 40 feet. Best results have been Lesson VII. The Grace of God-Gen. feet and such a house has a capacity of our up-to-date feeders that the of one hundred and fifty birds. The skimmilk fed warm from the separopen-front house seems to give satis- ator, is of more value as a feed for faction under varied climatic condi- young animals than the milk that is tions. Many breeders report its use returned from the creamery where it wherein the seeds of garden crops are 125 x 40 feet that you are working, Grace. "But God, who is rich in combs or diminished egg production. commend the use of a hand separator ly over the section of approximately Eph. 2: 4-10. The Riches of His in cold climates without frosted is separated. This point alone would and rake it thoroughly into the soil. mercy." Paul reminds the Christians The lower front section of the on many farms where the growing When you are planting the seed of Ephesus of the spiritual death house is eight feet deep and the high- of young calves and pigs is considercrops such as peas, beans, beets, etc., from which they have been saved by er rear section is twelve feet deep. ed a valuable appendage to the dairy.

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Nature's Investment

"That Scripture lesson you read

said Mrs. Barstow as she greeted the

minister in front of the pulpit. "

can understand about the man with

five talents getting five more and the

man with two talents getting two

more. But it always seemed to me

that Christ was unspeakably harsh

in ordering the taking away of the

one talent from the man who had not

invested it. The man who was so

modest about it; and, at least, he

"I think you misapprehend the way

Christ gave the command," said the

minister. "I don't think He spoke

harshly or with feeling. He was not

exactly commanding when He said,

'From him that hath not shall be

taken away even that which he hath.'

He was merely stating a law of the

universe. Nature is niggardly about

her investments. She always recalls

the uninvested pound. An abused

power always vanishes. You can't

"Don't you remember the fishes in

Mammoth Cave that the old geo-

graphy told about? They were sup-

posed to have had eyes at one time.

But they didn't need them in the dark-

ness of the cave; so nature took them

away. They tell us that once the

mistletoe used to strike roots into the

site, sucking its life from the trees

it lost the power to assimilate raw

food from the soil. Isn't there an il-

lustration of this very law going on

before us to-day in the fact that we

can't see or hear with the keenness

of the Indian? We don't need this

keenness of sight and hearing as the

Indian did; so nature has withdrawn

the investment. There is no waste

in the careful housekeeping of the

"That is why it is so pathetic to

hear men say they have no capacity

for spiritual things, or, as they put

it, no genius for religion. They wish

to imply by that a veiled criticism

of God or to show their superiority

to churches and spiritual helps. As

a matter of fact, they are condemn-

ing themselves. Every man once had

spiritual capacities. When he says

he hasn't them any longer he shows

that he has let them die. Nature has

recalled her investment, as Christ in-

dicated is her method in the parable

of talents. Do you remember how

beautifully Francis Thompson stated

it in his poem, In No Strange Land?

"Not where the wheeling systems

And our benumbed conceiving

Beats at our own clay-shuttered

Part of it sons like this:

darken.

ground, but when it became a para-

hadn't squandered the money."

A person who wears good clothes has more confidence in himself or her-Many farmers throughout the coun- self. For the same reason a little girl, think anything is good enough this evening, Dr. Keble, about the practice on, is likely to make nothing but a cheap second-hand progress. talents, seems to be one of the most difficult passages in the whole Bible,"

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The angels keep their ancient places: Turn but a stone and start a wing! 'Tis ye, 'tis your estranged faces, That miss the many-splendoured

Saving Mice-Gnawed Fruit.

If fruit trees have been seriously injured by mice or rabbits by eating the bark and sapwood at the surface of the ground, they can be saved by bridge grafting. First trim off the gnawed parts of the bark with a rharp knife, leaving the edges smooth. Then take from the tree a twig of last summer's growth about as thick as a lead pencil and long enough to extend an inch and one-half above and below the gnawed part. Both above and below the gnawed part cut out a strip of bark an inch and onehalf long and as wide as the twig or graft is thick. Trim both ends of the graft on the same side by paring it down to about half its thickness for a length of about two inches and then fit the prepared ends into the bark cuts above and below the injury. Fasten each end of the graft to the tree by driving in a very fine tack or brad not much thicker than a pin. Cover the ends of the graft and all cut surfaces with grafting wax. A union between the graft and tree will then take place and thus the gnawed part will be bridged over. In very bad cases of injury it may be necessary to fasten the lower end of the graft into one of the tree roots. Place a graft every two inches across the injured part.

To Preserve Letters From Overseas, Letters from "Over There" were often written in pencil. You can preserve them in their original state by this simple treatment: Boil a kettleful of water until the steam is pouring from the spout. Hold a sheet at it all ways, so that every part of the writing is well steamed. When the page feels quite limp, pin it up for a few minutes. Then mix milk and water in an egg cup, using half of each. Spread the letter on a flat surface, and with a small brush wash the milk solution over each sheet. Hank the paper up until it is almost dry Finally press flat between blotting paper on which books or weights are

New Mistress "How about the afternoon off?" Norah-"Sure, mum, take wan-I'm willin'."

arranged.

ONTARIO ARCHIVES TORONTO