Beneath the skies of an azure blue,

This is the camper that came that way,

In the shade of the tree that flow hed and grew

Just on a pic-nic to spend the day

Beneath the skies of an azure blue,

By the thoughtless wight of wits bereft.

In the shade of the tree that flourished and grew

These blackened spectres so gaunt and bare

In the track of the fire that travelled wide

By the thoughtless wight of wits bereft,

To boil the water, when tea was made,

In the shade of the tree that flourished and grew

Are all that's left of a sight so fair

Caused by the embers so carelessly left

From the same camp-fire so neatly laid

Lit by the camper that came that way,

Just on a pic-nic to spend the day

Beneath the skies of an azure blue,

Within the forest that God made.

And devastated a countryside,

from the same camp-fire so neatly laid

To boil the water, when tea was made

it by the camper that came that way.

Just on a pic-nic to spend the day

Beneath the skies of an azure blue.

Within the forest that God made.

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Within the forest that God made.

This is the camp-fire neatly laid

Lit by the camper that came that way.

Just on a pic-nic to spend the day

Beneath the skies of an azure blue.

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Beneath the skies of an azure blue,

Within the forest that God made.

From the same camp-fire so neatly laid ##1

In the shade of the tree that flourished and grew

REGULAR HEAT FOR EN GINE IS LIFE OF AUTO.

in order to accomplish the best re- run. on its way. And it is usually steam- them.

sary for some cooling system to be cooling system.

increase in the temperature. In this way power for driving the the heat. tain a film of oil between these work- the heat from it.

Dr. A. E. Marty, M.A., LL.D.

Canada, who has been elected presi-

dent of the Toronto Public School

Some Natural History

Puzzles.

seven per cent. goes in heat.

Zeo without tasting water, and sheep

no water so long as they get good

extent thrown in the

Service Service 40 Form

grass. Many reptiles never drink,

swept the place.

hours without water.

Teachers' Association.

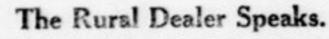
The engine of the automobile, like ing parts. Consequently they would Its owner, needs to keep fairly cool bind or stick and the engine could not

sults. Every once in a while one can In addition, the metal parts forming observe a car standing by the road- the combustion chamber would get so side "all het up." Such a machine hot that the incoming charge of fuel usually is standing instead of going would be ignited when contacting with

ing away like a factory whistle at Therefore it is necessary to carry noontime. The use of the thermometer off enough heat to keep the working would doubtless indicate a high fever. parts at a temperature that will per-It is good for the automobile owner mit proper lubrication and insure conto understand the principles of engine trol of the ignition. On this account cooling and to know why it is neces- every automebile is provided with a

functioning properly in every automo- There are two methods of cooling bile. The auto engine derives its an auto engine, namely, by air and by power from heat. A charge of gaso- water. In the air-cooled system the line, mixed with air, is taken with heat is carried away from the cylinthe cylinder of the engine in a com- ders by a steady stream of air which paratively cool state. In the cylinder is caused to flow over the cylinders. it is compressed and ignited. As it The efficiency of this operation is inburns the temperature is greatly in- creased by providing many projections creased and the pressure in the cyl- or fins on the cylinders, which in turn inder increases in proportion to the provide a large area for the air to act upon. The result is a ready exit for

machine is derived. The excessive In the water-cooled system the air temperature, which runs up to about carries off the heat as in the air-cooled 3,000 Fahrenheit, however, heats the system, but indirectly. Here the heat working parts of the engine, namely, is absorbed from the cylinders by pistons and cylinders, to such a degree water carried in jackets surrounding that unless some of the heat is dissi- the cylinders. The water then flows pated it would be impossible to main- to the radiator, where the air extracts



of all the salesmen who drop in I like Jim's company best; There ain't a one so full of fun, He's different from the rest.

He hangs around an hour or so, And gosh! but ain't he witty? He sits an' smokes and springs new

An' wise-cracks from the city.

Jim tells me all the latest news 'Bout stocks an' ships an' shows, He's up to snuff on all that stuff, Lands sakes! What that man knows!

The other men are nice, but then They're not like Jim a' tall; They up and tell what they've to sell, It's jest a business call.

But strange now when I come to think, The rest ain't smart like Jim; The only woman school inspector in | An' yet b' gee! them boys sell me A lot more stuff than him! -J. E. Cashin.

### ---Laying Cables by Plows.

Shortage of manual labor, particu-

larly trench diggers, has caused the adaptation of many mechanical ap-A cat goes off quite on its own. Yet | feet of lead covered cable has been ir- the absorption of suggested ideas. The sult in expression. a dog, unless it is a terrier who sneaks stalled by this means in a day, not a hearer must strive for "individuality"

off peaching, seldom dreams of taking bad record by any means. a constitutional except in company | The motive power for the plow was without intelligent attention. With a gasoline engine and the cable was compelling sympathy we do see the Again, why is a cat which hates pulled along beneath the surface by absent-minded individual who does water so fond of fish? It is a taste the plow-share. Of course, its suc- not listen at all, but sits aimlessly, impossible to gratify except by the cessful utilization depended largely through a concert intellectually dead, aid of man. on the character of the soil, because waiting for something to happen. Why are dogs and cats never de the plowshares would be diverted were "Hearing, they hear not; neither do ceived by illusion? A dog will run at rocks encountered. Thus far the ex- they understand." Music for people full speed through one of those "mys- periments have been limited to laying of this calibre is mere sound, because tic mazes" made of mirrors set at dif- cables across large lawns or through they do not give it either emotional or ferent angles. A man has to fumble parks, but the idea has proved its intellectual interpretation. his way with the utmost caution.

How is it that a glow-worm or firefly can produce light without heat? When man sets out to make light he can only use three per cent, of the energy he employs. The other ninety-How do animals sense coming danger when man cannot do so? In the great heat wave of 1921 hundreds of rabbits were seen to desert their burrows on a Yorkshire moor. Two days later a heath fire broke out and burned the whole moor. In some Hampshire pine woods the squirrels deserted their homes in exactly similar fash on twenty-four hours before fire Again, how is it that some creatures can do without water? A parroquet lived for fifty-two years in the London

Or Was It Only Hired? "And, my dear, that Brown girl must

seem able to get on with very little or have worn a torn dress to the dance!" for instance, strictly constructed can- asked for some face-powder. "You don't say!" "Yes; I heard Mrs. Jones say she scientific works, more the product of the assistant.

sence of emotion. But the chief uplift of music is in its appeal to the pliances to work ordinarily done by It is assumed that one who attempts heart as well as to the mind, in por-Cats and dogs are usually enemies. hand. One of the most successful of to partake of the mental food pro- traying emotion clothed in musical The tiniest kitten puffs up its fur and these innovations has been the laying vided by a musical recital or lecture thoughts conceived by the emotions, mented the fact that with the except is a mournful thing if we have left hisses and spits the first time it sees of telephone and electric light cables must of necessity be in a receptive Therefore, music should express both tion of the mouth-organ, many of the behind entirely the child we used to a dog, yet is quite polite to a man. by means of plows. As high as 1,500 mood or a state of mind permitting emotion and thought, which two re- musical instruments of our growing be. If we can no longer enter into a

## The Value of Imagination.

in listening. It is very easy to "hear" Imagination is a powerful factor in developing a true artistic temperament, and reading is a useful instrument in awakening imagination. To read biography, history, general

as well as musical criticism, and writings on the principles of art, is to acquire a fundamental process of reflection, will generate imagination.

To know the experiences of great musicians, learning what to avoid as well as what to appropriate, is an education in itself. To know thoroughly music and musicians, to cultivate susceptibility to all things that are beautiful, to develop the understanding and judgment, to keep the mind alert and thought upon the performer-how he ready to react to the stimulus of music, is to cultivate the true musical temperament. And then to combine with this association with one's fellows trying to catch their viewpoint and to understand their attitude and their limitations is to conserve the musical temperament, keeping it free pretation. The cultured, musical perfrom artistic foolishness and continuing sane and companionable.

### Taking It Viz Him. Music expresses thought, with or A Frenchman with a rather limited without emotion. There is such a knowledge of the English language en-

thing as purely "intellectual" music— tered a chemist's shop in London and It bore the name of "Vetusta Ecclesia," Charlie last month; but I hardly re- that country. One of these days the ons and fugues, which are essentially "Will you have it scented?" inquired but a mole dies if kept for twenty-four had to settle for the rent of it next calculation, and "No," was the reply. "I vill take it Bad luck means poor effort; poor

### Where Are the Instruments of Our Youth?

days are now no more. The concer- game with rapturous abandon, then them, and into which addicts without tina is nearly out of vogue, and the we have grown old. If our enthusi-The time-honored dulcimer, with its our surroundings sluggish, we have physicians. If every reader of this two bridges, multifarious strings and lost something out of our lives that little article would write at once to padded hammer, no longer soothes the nothing replaces. If for us there are his or her own government urging acsensibilities of the farmhouse family no longer mysteries we cannot explain, tion something would result. Why as it did in the old days when it was if the fairies do not whisper any more, not? Do it now! brought down from the attic, tuned up if Pan has left the reeds along the The Federal Dept. of Health, sup-The tin whistle is almost obsolete, be children; and what have we reand the guitar has become a museum | ceived in place of the glamor and the rarity. The mandolin seems to have magic? For its "old" people who have gone into a decline; banjos never kept the child irresistibly in their "tunk" any more, and the lute has blithe humor all their days, the earth heard its deathknell.

## Britain's First Church.

Arimathea reached the shores of Bri tain in the year of the Christian era 61, settled at Glastonbury with eleven companions, and built the first church. Its length was 60ft, and its breadth 26ft. The walls were made of twigs and branches twisted together after the ancient custom.

Professor Willis, in his "Architectural History of Glastonbury Abbey," records that "on the spot where the present church stands there existed a structure of twisted rods, or bundles, which was believed to have been built as a Christian Oratory, and reported to be the earliest church in Britain. the "Old Church," and was dedicated cognized it." to the Virgin Mary."

effort means bad luck.

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## Possibilities of Establishing Coking Industry.

The central part of Canada is feeling the need at the present time of an ample supply of domestic fuel of a high quality at a reasonable price. The great strike of last year in the anthracite field was the cause of acute shortage last winter but the attention thus drawn to the subject has shown that the deposits of anthracite coal are limited and that the supply is being used up with comparative rapidity.

To assist in the obtaining and distribution of fuel of some kind to tide over this strike period, fuel committees, federal, provincial, and municipal were created. These committees functioned through the winter of 1922-23 and are still in operation, but they do not touch on the larger problem, that of obtaining a suitable domestic fuel to take the place of anthracite. It was to deal with this problem that the Dominion Fuel Board was established by Hon. Charles Stewart, Minister of Mines. The function of this board is not to find fuel for a few months during an emergency but to carry on investigations which may in dicate to citizens a permanent source of supply. Their task, therefore, is a large one which will take time for completion.

Various lines of investigation are being followed, among others that o the commercial feasibility of produc ing coke in by-product recovery ovens in our larger cities. The field work in this investigation is practically finished and the information collected is

#### ----The Child Spirit.

No wonder a large part of the maturity that knows too much, that is cynical and sophisticated, that is ready to impute motives and surmise the worst, and go back to the wideeyed faith of childhood's innocency. It and hope and power. will not do for the world-wise and the world-weary to scoff at that belief ada has undertaken to supply the which a child brings to bear on all that is round-about. Of course, it is no true service to those who are growing if those who are grown keep from them plain truths, harsh facts they need to know for self-defence. But the education should be gradual; it should not be hurled upon the young learner all at once like an avalanche descending the mountainside to overwhelm whatever is below.

One of the daily papers recently la- All our learning as we grow older accordion survives only in vaudeville. asms are stupefied, our reactions to choice and be brought by friends or and set going on the kitchen table. river of our lives, we have ceased to gives thanks; and those who left the child behind them long ago and are now disheartened, morose and selfish, According to tradition, Joseph of will be no great loss when they go.



Renewed With His Love Mary-"I think Maybelle is wearing the engagement ring I returned to

keep a clean mind.

The sale and the real and a

Land to respond to the state of the state of

### Natural Resources Bulletin.

The Natural Resources Intelligence Service of the Department of the Interior at Ottawa

Few of Ontario's population are aware of the extent to which the Norfolk Provincial Station is contributing to the upbuilding of the forest industry of this province. While the total area of the Forest Station is 1,600 acres, the actual nursery covers 100 acres. From this nursery there were supplied this year 1,000,000 trees to private individuals, 2,240,000 transplants to two new government nurseries, and planting material for 400 acres of 19 state and municipal reforestation projects throughout the province. At present the nursery contains 7,000,000 transplants and 11,000,000 seedlings. The conifers mostly grown are white, red, Scotch and jackpines, white spruce, European and Japanese larch, and white cedar, while the hardwoods are mainly hard and soft maples, walnut, hickory, ash, cherry basswood and black locust.

## The Dangerous Addict.

Nine thousand five hundred Cannow being prepared for publication. adians-many of them under twenty-While the details are not yet available five years of age-means on the one it may be stated that conditions are hand that the illicit traffic in opium, found to indicate that the erection of morphine, heroin, cocaine, etc., is explants at several points would be a tensive, and on the other that a warranted commercial venture for in- mighty appeal to heart and conscience dividual firms or corporations. Inves- is made to all Canadians to come to tigations are also being carried out by the help of these poor slaves. Their the board in conjunction with the plight is pitiable in the extreme. The Mines Branch to determine the coking use of these drugs dethrones the will, qualities of Nova Scotia and New deadens the conscience and so affects Brunswick coals, and it is hoped these the whole nervous system as to render may be available for this purpose and its victims more helpless far than the thus reduce the supplies drawn from victims of tuberculosis or typhoid fever. They are diseased as well as deprayed. Imprisonment is the only door we open to them now. It closes behind them for a season. But in due course they come out unhealed and teaching of religion has been that if unhelped to return to their hopeless we would be saved in this world or bondage. The prison is the place to any other we must get away from put the traffickers. The hospital is what the addicts need-a hospital where medical science will heal the disease and spiritual influence will restore moral vigor and religious faith

And no government or city in Can-

A pitiful case of a young nurse from rural Ontario recently appealed to us for direction where to go for treatment. No door was open. We were helpless. She was left perforce without hope. Surely this ought not

Yet it is not likely to be changed until large numbers of citizens bring pressure to bear on the Provincial Governments to supply provision in special or general hospitals for closely supervised care and treatment to which hospitals or wards magistrates

ported by the Dominion, provincial and municipal police and the secret service men have accomplished much in suppressing or reducing the volume of the traffic wholesale and retail.

The reduction in importation is shown in the following table: Cocaine Morphine Opium

1919 . . 12,333 oz. 30,087 oz. 34,263 lb. 1923 . . 3,330 oz. 10,498 oz. 1,373 lb. The number of convictions by the Federal police and secret service in 1922 were 845. In 1923 the number was 692. In the first six months of the year that will end March 31st, 1924, it is 174. There is a steady decline. Of the 174, 91 are in British Columbia, and of these 82 were Chinese. Forty-three are in Quebec, of which 20 are Chinese.

The international traffic is getting increasingly difficult for the traffickers. Switzerland has just ratified the Treaty for its suppression. Much of the drugs heretofore have come from world ring will be caught and the Maud "It's been replated, my dear." back of the wretched traffic will be broken. The outlook is hope-inspiring. If you want a clear conscience, A better day is dawning. Dr. J. S. Shearer.

# Motor Safety Device.

Broken front axles on antomobiles have caused man ya serious accident, often with loss of life. To avoid such disasters a Danish automobile maker has invented and tried satisfactorily a device to keep the car upright in case a wheel comes off or if the front axle breaks. It consists of a pair of trailing shoes made of spring steel of varying widths for different sizes of

When the accident happens the car rests on this shoe, and in one of the tests it was found that the machine could even be steered fairly well. The cost of the device ranges from \$9 to \$18 and it can be applied in a few

All service ranks the same with God; there is no las nor first,-Browning.

# IN RABBITBORO



morning."



Listening to Music.

In listening to a piano recital,

great deal depends upon how much a

person is interested in the music and

in the performer. A great many peo-

ple listen only to the composition, and

there are others who concentrate their

looks, his technique and his manner-

isms. Those ideas are only secondary

consideration, because the truly intel-

ligent and educated listener will en-

deavor to understand the meaning of

the composition and will also endeav-

or to appreciate the manner of inter-

son will be satisfied with nothing less

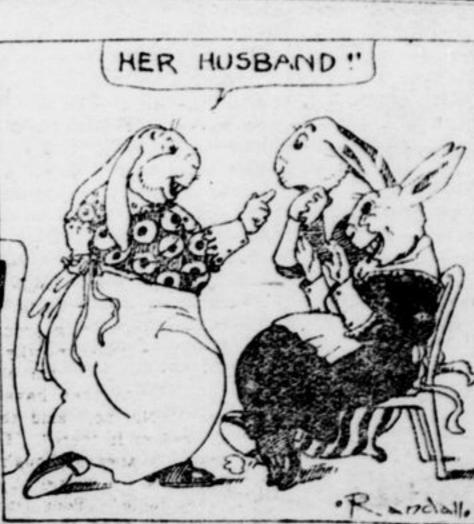
than the fullest enjoyment, coming of

an appreciative understanding of the

frequently written with an utter ab. viz me."

composition and the performance.





indeed will amplified away to him are the art mare to uself ent at enanthe era dressonnau bloom accom-

UNIAKIU AKCHIVES TORONTO

STORIES OF

movies with a right re

this incident which large provincial town. Sir John was due to but the local mayor hi little say first. "Ladies and gentlem "the lecturer we are all

known in every quarte Amid the frozen dese the hill-tops of the B grim regions of Tils fact, no quarter of the south, east, or west, N is not known and res and gentlemen, I have in introducing to you er er Mr. John Post Lord Renfi

The Prince of Wal ing lengths. A trained prised not long ago vis-a-vis with the Prit the Prince insisting at man regarding himsel and, if the story of a immigration officer is filled in the Informati bec with all the serio traveller whose conte really required by the "Lord Renfrew"-hill -he answered the

Present occupation Future occupation. Purpose of coming enjoy myself. Amount of cash? present needs. Can you read?-Yo

What language? - S The answers were and he was allowed

Before V

September, October They are fearless, So now while the am With tongues of flun Utters words of auti Let you, my neighbo Go through the slift evening corn. Let us light a lire # fields and the

Saying over and ova Who brings shade Who fills our hearts

And let us stand rou

leap of the si

And soothes us will We thrust our hand of the night. And grasping the B fathers, earn

They who were 1033 We stand till the la And the darkness as

Took Then A vegetarian lin perience the other fast. His family & he went to a rest went next to a sim creed by telling in dlet should be "But," replied the ent ment. You said the vegetarial tically meat, becau comes a bird. ent never become stranger quietly. cried the vegetar eggs do you eath

Birds of remote doors every spring

A fat persons