POOR DOCUMENT

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the Evening Times and Piar

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THE STRAIGHT ROAD IN HYDRO

The citizens of St. John, in a month from now, will elect a new Mayor, a hydro Mayor of the real, publicatively produce and deliver the goods. There should be no limit to the development of British credit, for increased production and consumption, so long as British unity is maintained on a basis of confidence and co-operation."

own minds a very clearly defined

The Book of Books.

(Springfield Republican.)

It is asserted by a committee of the British may subscribed more than one sulling pounds stering towards the cost of the buildings which will be required. As all illustration of what other parts of the Empire are doing. It has been a successful to the Bible in probably it is spend as million dollars or more to display her resources at the exhibition.

Commenting on the purpose of the Empire to supply a resource to the Empire are doing at the second will lead to a rediging to the purpose of the Empire are doing at the second will lead to a rediging the resource of the committee of the Empire are doing at the second will lead to a rediging the resource of the pointed out that Australia is preparing to spend a million dollars or more to tailpay her resources at the exhibition.

Commenting on the purpose of the Empire to spend a million dollars or more to tailpay her resources at the exhibition and the opportunity it affords for strengthening the Empire by parans of hereasing the volume of inter-Imperial tracke, the Ottawa Citises is spend and industry is 16 supply goods and service when, and wherever, they are required. Under an effective policy, to bring demand up to supply, every an admitted by the original policy of the pol

The object for which the exhibiti is being organized is one which merit the support of every part of the Em where he is going in hydro matters, and pire, and undoubtedly the details of who is closely acquainted with his terminal facilities. There are others

citizens seem not to be acquainted, or type of hydro leader is a picturesque to which they resolutely shut their falling a certain distance, will produce in New Brunswick precisely the same amount of energy that it produces in cted candi- Offario, or in California, or in a hundate of the real, public-spirited-hydro dred other places where the people have hydro and the wonderful benefits is going, but he must let his fellow citizens know, in advance, publicly, and with perfect clearness, where he is gowith the prepared to go with the pre ing. Then they will be prepared to go fortune which is theirs if they but are with him, to give him the greatest op- willing to take it. Beware of any man portunity ever exjoyed by a Chief who tries to confuse this simple issu Magistrate of St. John, and to sustain
him consistently and courageously so
mary—prudence and common sense long as he sticks to his guns and up- thereafter, St. John can, and should at holds the public interest unswervingly an early date, solve all of its power

FIFTEEN MINUTES OF RADIO EACH DAY

By Edward N. Davis

Formerly Technical Electrical Expert For U. S. Gov-

Lesson No. 128. LIMITING FACTORS OF THE VACUUM TUBE.

Inch dry cell. The current flow is regulated by a small variable resistance, known as a rheostat, in series with the flament.

If the voltage of the plate battery is maintained at a potential of approximately twenty volts and the positive terminal connected to the plate the negative electrons emitted by the flament will be attracted to the plate. The plate battery commonly known as the "B" battery usually consists of fitten small dry cells connected in series with a resultant potential of 22.5 volts. Through continued service this potential gradually falls to a value of volts, at which point it should be replaced by a new battery.

With the positive terminal of the "B" battery connected to the plate the flow of electrons is from the filament to the plate while the flow of current is in the opposite direction from plate to filament. Increasing the plate voltage causes an increase in the plate current due to the greater flow of electrons attracted to the plate. There is a limiting value to this increase in plate current due to the fact that for a given temperature there is an emission from the filament of a given number of electrons per second and consequently when the plate voltage is increased to a point where all the electrons emitted per second are drawn to the plate, no further increase in plate current at this point is known as the SATURATION CURRENT and depends upon the temperature of the filament.

Another factor which has a limiting effect in the operation of the vacuum tube is the SPACE CHARGE. If the plate voltage has a given value an increase in the plate current may be produced by an increase in the temperature of the filament, thus reducing the flow of electrons to the plate. It is apparent, therefore, that this negative charge may have sufficient magnitude to prevent any further increase in plate current even though the temperature of the filament is further increased.

The operation of the vacuum tube, therefore, has two important limiting factors namely, SATURATION CURRENT which is reached with a

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"Little Hen Thornton"

Wanted To Be Bishop

Is in Logansport, Indiana, which is seen around the turn grocery few days swapping farms the Hen Thornton, who the there. Today he is sirouth Thornton, and the the cracker box prophets heard to say that they when would grow up to not like that. He had been or several years, and Logansport thing that started old resimple thing that started old resimple the thing that started old resimple the thing that started old resimple thing that started old resimple the the that their "little Hen," now anager of England's Great was the announcement the that their "little Hen," now anager of England's Great Logansport, Indiana, which might have prompted to handle the the that their "little Hen," now anager of England's Great Logansport, Indiana, which might have prompted to handle the the that their "little Hen," now anager of England's Great Logansport, Indiana, which might have prompted to handle the that their "little Hen," now anager of England's Great Logansport, Indiana, which might have prompted to handle the that their "little Hen," now anager of England's Great Logansport, Indiana, which might have prompted to handle the that their "little Hen," now anager of England's Great Logansport, Indiana, which might have prompted to handle the that their "little Hen," now anager of England's Great Logansport, Indiana, which might have prompted to handle the that their "little Hen," now anager of England's Great Logansport, Indiana, which might have prompted to handle the that their "little Hen," now anager of England's Great Logansport, Indiana, which might have prompted the length and developed with a ball-bearing device which a ball-bearing devi

Same a better to the general regard to preference with problems of the public with the public desired of the control of the co

LIGHTER VEIN.

Safety First.
English Lady (traveling in Western America)—"The idea of calling this the Wild West!" Why I never saw such politeness anywhere."
Cowboy—"We're always polite to ladies, ma'am."
English Lady—"Oh, as for that, there is plenty of politeness everywhere. But I refere to the men. Why, in London, the men behave horribly towards one another, but here they treat one another as delicately as gentlemen in a drawing-room."

Cowboy-"Yes, ma'am; it's safer." Borrowell—"I lost a beautiful um-fella last night." Wigwag—"That's ough. Whose was it."

Hoot! Mon!

A lecturer was holding forth on the subject of matrimony.

"Mine has been an ideal marriage," he exclaimed (while those whose marriages had not been ideal listened with pained interest). "My wife and I share our sorrows, our joys, our ambitions, our hopes, our "Then a Scotsman interrupted: "What aboot conversation?"

MR. McKENNA'S SPEECH.

(New York World.)
It is safe to say that in all that has been written throughout the world these last three years on the subject of reparations and debts, there has been nothing else so brilliantly lucid and unimpeachably fair-minded as the address delivered yesterday at the Banfiers' Convention by the Right Hon. Reginald McKenna. In six columns of

a good deal of comment in the Old Country newspapers. This extensive post-war development in a military di-rection on the part of our American cousins appears to have aroused sur-

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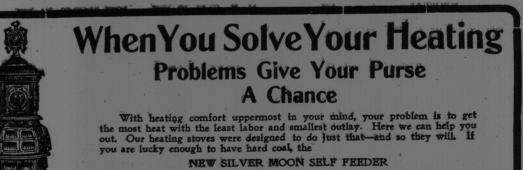
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pay. Since England can pay, she will pay.

Second, that the other debtor countries, including France and Italy, do not have foreign securities with which to pay their debts. They could pay only by exporting more goods than they import; and since the world is not prepared to take a great surplus of French and Italian exports, hope of bayment from these countries must be definitely postponed, and nothing expected ultimately except what can be paid by the export of goods.

Third, that Germany can pay now may with the foreign balances which she still possesses. But these balances would only be used for reparation if in 'dual Germans would sell them to dir government. This consent can may be obtained by offering them a profit, which in turn can only be done by improving the mark.

These views are now established everywhere except among politicians ind the people they delude. If Mr. McKenna's address could be widely circulated it would be difficult to play politics much longer with the finances of the world, for the argument, as he has presented it, is absolutely unanswerable, and people who do not want his conclusions can escape them only by ignoring his reasoning.

A More Austere Refigion.

(Natal Advertiser.)

The Church, we believe, would make greater headway than it does against he massed and increasing forces of materialism if it boldly renounced the adventitious aids which, in more picturesque mediaeval or remoter times, moved an unlettered and oppressed anxious and complex civilization as simple and austere faith that disadined both the ornate and the miraculous. We are no longer children to be delighted with the tricks of color, tone and smell; nor awed by the mass emotions provoked by essays in psychotherapy.

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Ven. Archdeacon Crowfoot gave an interesting lecture last evening in the Mission church on Church History. He traced the early history of the Church of England from the beginning of the thirteenth century. His address was closely listened to throughout by the laife,

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