

The ether which is the carrier of wireless waves must not be confus with the ether used by surgeons as an

ancesthetic. The latteg is a liquid which can be touched, seen, and smelt; the other-well, just what the other is we do not know yet, although in recent years impossible. But, at the same time, it know yet, although in recent years science has discovered a great deal about its marvellous properties. Our great-grandfathers believed that It is a duty she owes herself and

Health Will Break Down.

To guard against a completely empty; that it was simply a vast tract of nothingness. But with the discovery that such 'ich, red and pure. No other medi-things as heat and light are caused by vaves, came the realization that this Pink Pills. This medicine strengthens idea of space must be revised. the nerves, restores the appetite and keeps every organ healthily toned up. Women cannot always rest when they

Millions of Minute Atoms.

Waves cannot take place in nothing: Women cannot always rest when they waves cannot take place in nothing; should, but they can keep their there must be a medium of some kind strength by the occasional use of Dr.

each other by tiny pore and channels, And every nook and chink is filled with ether, which occupies everything just as water occupies every part of a

just as water occupies every part of a submerged sponge. The most amazing thing about the ther is the rapidity with which waves more through it. Light coming to us from the sun, 92.000,000 miles away, takes only eight and a half minutes to accomplish its journey; its waves more at the extraordinary speed of 186,000 the second. With the avers as to be the fact of the second. When the second with the average citizen has not yet been to day as it was in olden times, but the average citizen has not yet been to this family, his neighbor, and the "local" is ruinous; when a ship niches

To be able to carry waves at this speed the ether must be surprisingly elastic and infinitely more rigid than any metal! The more rigid any medium is, the greater is the rapidity with which waves or vibrations pass LEYDON ST through it. The waves move through Variations—Liddane, Laydon, Layton. Bacial Origin—En afr at something less than 1,100 feet a Racial Origin-Irish. second; but through water they travel Source-A given name. four times as quickly; whilst if they pass through iron or steel their speed four times as quickly, whilst if they pass through iron or steel their speed is increased fifteen-fold. A soft sub-stance such as putty will not pass don, Layton or Liddane seems to be the source might not at once he apparrigidity.

waves never come to an end.

even Australia. They can pass through than upon its spelling. bricks and mortar, or even great mountains, as easily as through air.

Tree Planting on Prairie Farms.

The officers in charge of the Do-The officers in charge of the bring minion tree-planting work report in-creased interest in this subject in all line as the O'Com parts of the Prairie Provinces. The ritory was in Tipperary. experiences of the past few years have impressed on prairie farmers the great benefits of having belts of trees across their farms and about their farm buildings. The injury that has many farms by soll drifting has led to the discussion of tree

Latent Power.

If you visit one of the great depu **NEED RICH BLOOD** nt stores you may be unaware what then rejoice if our task is hard, and hower is required for the many me especially if it is just a little beyon our strength, for God's strength make chanical contrivances round you-the our strength, for God's radiators, the myriad overhead lamps, perfect our weakness. If the Blood is Not Kept Pure the cash tubes, the elevator that saves

you so many steps. It is only when you go down to the third basement and KEEP (HILDREN WELL

now, but if you were to stay there through a winter afternoon you might be astonished to see one after another, up its task. No human hand touched them; but something has hap-pened. Darkness has settled down first on the lower floors; one person here and another there⁶ has switched on the **Own Tablets in the house feels safe.** the occasional use of the Tablets pre-tor indirectly, it must be compared with a unit or standard which is accepted by common consent—as iMustrations, the three fundamental standards, the paned. Darkness has settled down the stay from the Dr. Williams' Medicine Co., Brockville, Ont. **Darkness has switched on the Darkness has switched on the Dark**

Waves cannot take place in nothing there must be a medium of some kind. The control take place in the some form the work of case of the strength by the occasional use of Det Space could not be empty; it must be filled with some amazing subtance nucleic is since of a strength by the occasional use of Det Space could not be empty; it must be filled with some amazing subtance nucleic is since of a strength by the occasional use of Det Space could not be empty form; it must be filled with some amazing subtance nucleic is since of a strength by the occasional use of Det Space could not be empty form; it must be strength of the operations; one person after and over share form and water, it sufficed a grees and water, it sufficed a grees of strength by the occasional use of Det strength of the resistance of the resistance of the resistance of air, the early would be burnt to a clined finance and markers is any species may appetite was poor, and it trees can have been performs the strength of free strength of the resyntheses, may appetite was poor, and it trees of the resistance of air, the early would be burnt to a clined finance of the strength of free syntheses, may appetite was poor, and it trees the order is another strength of the resyntheses, may appetite was poor, and it trees of the resistance of air, the early file on another there finance and the strength of the st

ly necessary. If we admire the gentus that has devised the wonderful plant, how much more should we admire God, One Cause of Forest Fires.

at the extraordinary speed of 186,000 miles a second. Wireless waves also rush outwards at a terrific speed-they can travel round the earth seven and a half times in a second! To be able to carry waves many the seven they can travel round the earth seven they can travel the earth seven they can travel round the earth seven they can travel round the earth seven they can travel the earth seven they can travel the earth seven they can travel the travel the earth seven they can travel the earth seven they can travel they can travel the tround they can travel th

Surnames and Their Origin ST LES

Racial Origin-English. Source-A locality.

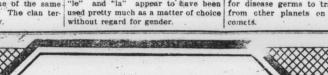
Here is a family name of very at all owing to its lack of typically English. But it is not. It is ent.

 Passing Through Mountains.
 In ish.
 In most places modern methods of factory production, together with the factory production, together with the one press of hardware, have made the one from an English source, but it's farm gate and the silp-rail fence more smaller as they move outwards, until finally they die out altogether. But this article.
 In most places modern methods of factories, our furnities, our ware have made the silp-rail fence more of market and the silp-rail fence more on mills, our wagon factories, our furnities and our paper mills runting at full force forever. Let us all fashioned "style" or "stile," as it was
 In most places modern methods of factories, our furnities and our paper mills runting at full force forever. Let us all fashioned "style" or "stile," as it was
 In most places modern methods of factories, our furnities and our paper mills runting at full force forever. Let us all fashioned "style" or "stile," as it was
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 In most places modern methods of factories, our furnities and our paper mills runting at full force forever. Let us all fashioned "style" or "stile," as it was

You'd never be mistaken about the variously spelled. So one's mind does forests

ether waves never come to an end. Nor does their size decrease. If a wireless station in Britain sends out a stream of waves, the creat of one of which is 15,000 metres from the creat of another, they will be of exactly the same size when they reach America, or warrough of the nume, however. It is "O'Liodhain." From this form have of another, they will be of exactly the same size when they reach America, or Stile," "Cecilia ad Style," "Reginald by his relatives into making a will, universities, will attend use congress. ad le Stile," etc. It is interesting to note that this prefix "at the," used watching him sign it. He struggled as land, his intention being to make a than upon its spelling. The given name from which this clan name is derived is "Liodhan," the modern Freach "a la" in contrast based upon the Irish word for "litany," with our more modern way "of the"

and, therefore, likely to appeal to took many forms, sometimes a simple and, interestore, likely to appeal to took many forms, sometimes a simple parents of religious inclination as a suitable name for their sons. The chieftain of this name who founded the clan came of the same line as the O'Connors. The clan ter-ritory was in Tipperary.



waste power by giving it to the man who has no hard task. "As thy days, so shall they strength be." Let us **Measuring Instruments Must** be Standardized. Most industrial processes, surveying,

trade and other activities of mode civilization depend upon me ments of one kind or another. steel maker must be able to measure temperatures and other quantities con nected with his work; the surveyor distances, angles and time; the trader DURING HOT WEATHER weights and volumes and the scientist

still further properties of materials. It is obvious that the accuracy All is silent in the basement: there is obvious that the accuracy of the most set of the most set of the source of the measurement. While and burner to be accurate a little consideration of the source of the measurement. While the precision of the measurement. While and the precision of the measurement. While and the precision of the measurement. While the precision of the measurement. While and the precision of the measurement. While the precision of the measurement. While the precision of the measurement. While and the precision of the measurement. While the precision of the measurement is the precision of the measurement. While the precision of the measurement. While the pre Every mother knows how fatal the

fiddle, as it must also be held at the or ovided for by such national institu-shoulder, and because a man's arm has a limit in its reach.

has a limit in its reach. The viola has been termed the "steptory, England, and the Bureau of The viola has been termed the "step-ochild" of the orchestra's string sec-tion. Formerly it was little used. It is said that in earlier times about the only men who played a viola was the man who was so poor a violinist that he couldn't qualify even for the second violins. To-day violas are so import-ant that they are entrusted with parts ant that they are entrusted with parts of special profinence, and even solos. There is no other tonal effect in the orchestra that can be mistaken for the viola, and the fact that this instrument is no other tonal effect in the viola and the fact that this instrument total and the fact that the instrument total and the fact t viola, and the fact that this instrument is so soldom heard in solo passages, nakes its introduction all the include chronometers and watche

> ments, barometers and pressure gauges, thermometers, telescopes, etc. Minard's Liniment for sale everywhere

Mines, has been named by the Hon. Charles Stewart, Minister of Mines national Geological Congress, to be held in Brussels, Belgium, in August

This congress, at which all the leadning at full force forever. Let us all ing mining countries of the world will take part in protecting our valuable be represented, is held triennially. The last session, however, was that held in Canada in 1913, the war having made subsequent sessions until the present

An old Scotsman, David Gordon, who impossible. Eight Canadian ge was seriously ill, had been wheedled most of them representing Canad'an universities, will attend the congress. by his relatives into making a will.

far as D-a-v-i, then fell back exhausted. close study of the market possibilities ar as Da-v-1, then tell back exhausted. Close study of the market positivities "D, Uncle David, D," urged a nephew. there for Canadian minerals. In view "Dee!" ejaculated the old Scot, with of the impending enactment of high eable indignation. "Til dee when I'm tending to restrict the market for ou

Scientists state that it is possible essible importance to the mineral industry earth that new markets be cultivated. This for discase germs to travel to earth that new markets be cultivated. This from other planets on the tails of subject will be fully convasced with the Imperial Mineral Resources Bur-eau, who have already shown a keen interest in the development of a market for Canadian products. Among other minerals to be considered in this regard are graphite, tar sands, feldspar and bentonite. The last-mentionufacture ed is a clay used in the ma



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tially of coniferous nature, the hard-woods as a whole forming about 3 per cent. of the total quantity of lumb produced.

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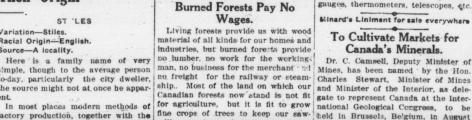
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ings and in the press. The planting imspectors note that the ground is be-ing better prepared to receive plantaing better cared for than in the past.— Annual Report, Director of Forestry, Ottawa.

planting as a remedy at farmers'

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Closer Check on Forest Fires. It is always of considerable value to know how fires originate, as such a study makes possible the application of preventive measures. For a con-siderable number of years past it has been necessary to designate the cause of a large percentage of fires as "unknown." The percentage of unknown fires for last season, however, shows a considerable reduction, which may be taken as an indication of material im provement in the attention given to study of the fires.—Annual Report, Director of Forestry, Ottawa.

Splinters.

When a splinter gets under the nail and will not readily come out, a cold water bandage around the top of the finger will in time loosen the splinter and prevent festering.

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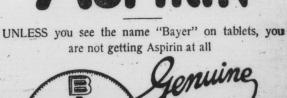
very high-grade deposits of which have recently been discovered in Alberta and British Columbia.

The terms of peace have diverted Germany of some of her best mineral erritory, notably in Alsace-Lorraine and Pokand, and there is a possibility of developing a market for certain of our minerals in that country. It is understood that German interests have atready made tentative enquiries re-specting the possibility of obtaining iron ore, from Newfoundiand. While in from ore, from Newfoundiand. While in Germany Dr. Cameel also hopeu to in-vestigate methods perfected there for the briquetting of coal, a subject which is of vital importance to the Prairie Provinces. He will also give special attention to phosphates and other mineral fertilizers.

Pat Won!

An Englishman, a Scotsman and a Irishman were arguing as to who had ad certain things the longest. The Englishman said, "I've had this horse ever since it was a colt. The Scotsman said, "I've had this cow ever since it was a calf." 'Well, that's nothing," exclaimed the Irishman. "I've had this cart even since it was a wheelbarrow."

Mother (to the Vicar): "Oh, please Mother (to the Vicar): "Oh, please sir, I was agoin' tc ask yoù, could auy-thing be done to change pors little Lloyd George's name 'ere? The child's 'ad to suffer summat cruel. 'E can't do n thin' right since 'is father chang-ed 'is views about the Prime Minister!" 188UE No. 29-'22.





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