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MINING IN THE **ATMOSPHERE**

If scientific discoveries go on at their present rate we may soon find thin so rapidly as in rheumatism. Not

a store of elements which realize many are very painful, and often the sufmillions of dollars annually? It is ferer becomes crippled. a fact, amazing as it may seem; Dr. Williams' Pink Pills build up and as a result a new industry is the blood and enable it to cast out the springing up in connection with this rheumatic poisons with the natural

speaking, of a mixture of the gases eral health. Sound proof of these nitrogen and oxygen, as well as statements is offered by Mrs. George

liquefying air by extreme cold, it had very painful. My general health was been found possible to separate these also affected, and I could scarcely constituents in the same way. And drag myself around. I had been docall these elements have now assumed toring a good deal, but did not get any a great commercial importance.

used to maintain life in invalids, yet Pink Pills. By the time these were the amount consumed in hospitals and used I could notice a slight improvelaboratories is a very small portion ment and I continued taking the pills of the total output. In the United until I had used about a dozen boxes, Great Northern Railway Co., in Eng-States alone it is estimated that the by which time I felt like a new person land, has equipped the kitchen of one be lavished; the more wealth lavished, been entirely lost upon the egotistical steadily. In fact, it just seems that annual output of oxygen is a thouand looked like one. I could do my of its dining cars with electrical cookthe greater the owner's standing in white man, for the most part too conevery dose increases my strength and

ways in the engineering world. It is combined with acetylene to make the williams. Disk put taking Dr. one end, is the main cooking range intensely hot flame which cuts through Williams' Pink Pills is the moment and roasting oven, with a steaming steel rails with the greatest of ease. you feel the least bit out of sorts. The oven above it, while over the latter, a Workmen are often to be seen in the streets using the flame in repairing regain your old time energy. You can ed. A boiling range having four hot tramway tracks. The oxy-acetylene get these pills through any medicine plates, two 10-gal, boiling pans for process is one of the most important labor-saving devices ever invented. Dr. Williams' Medicine Co., Brock- included in the installation, which has yielded such satisfactory results that

The oxygen is market in steel cylinders, which may often be seen loaded on motor-lorries in any bid town.

from the air, attention is turned to thin luminous rings-which, when an nitrogen, which is trapped from the eruption is in progress, are sometimes The ailments of childhood-constlair for the manufacture of fertilizers seen to rush out and up from the pation, indigestion, colic. colds, etc.--an industry carried on in Norway on crater and disappear in space. They can be quickly banished through the an enormous scale. It is used also for have been observed on Mount Vesu- use of Baby's Own Tablets. They are the manufacture of explosives, for vius and also on Mount Etna. the filling of so-called nitrogen lamps, Each successive ring follows im- stantly regulate the bowels and sweet-

air over an intensely hot electric are visible. flame, six feet in diameter, known as During the war observation was fre- Alcide Lepage. Ste. Beatrix, Que., Most wonderful of all is the structhe "electric sun." The nitrogen is quently reported of mysterious curved writes:—"Eaby's Own Tablets were of ture to be crected over the Hudson mostly situated in the hills, and the

air are argon and neon, recently look- concentric ripples produced by drop- mail at 25c a box from The Dr. Wil- Forth cantilever bridge in Scotland. | makes it too easy-so easy that it ened upon as rare and costly, but now ping a pebble into water. One ab- liams' Medicine Co., Brockville, Ont. Both these gases are used for filing facandescent electric lamps, while small glass tubes of neon are used

for testing sparking plugs in motors. Electric lamps are often rendered useless by something going wrong with their fragile tungsten filaments, Racial Origin-English. but neen has now made filamentless Source-A locality. famps possible. An intense pink glow is produced between two neat metal

surfaces in an atmosphere of neon. With all these uses for the gases quarrel with the statement that this group have anything to do with our From the standpoint of actual exclusively by one man, while another to neutralize the acid, and make it from the atmosphere, it will be seen, that the air is providing a new and valuable industry. The raw material is costless and boundless. It is there for everyone and anyone to use. There The truth is that most of the Clai- and the Anglo-Normans, later, "hyde," Unlike that over the Hudson River,

value, our great collieries appear when twelfth or thirteenth century. compared with this vast new "mine" which abounds all around us!

Measuring a Continent.

had ever been measured by means of

the surveyor's chain. Maps are usually made by means of astronomical calculations similar to Claiborne and finally Clayburn. And Here then, you have three sources walks, and a double trolley line; while those used by the sailor in fixing his strangely enough, this latest spelling of the foregoing surnames. A study the lower deck will be devoted to four sphere on which the continents of the they are checked by the measure.

they were very anxious that the metre and not that painful result of too close of the town, and at first were used to structure, the hoisting of whose cen-

culations by actually measuring the settled in Ireland as early as 1200 two forms of Hithereeve. The "hitenorth to the south of their country. When the work was finished it was found that the two sets of measurements differed by only a few feet!

To-day a far greater piece of measuring is being undertaken. Thanks to the construction of the Cape-to-Cairo railway, the whole length of the great African continent is being worked out by surveyors.

Considerable portions have been finished, and these show that up to the present, at any rate, there is no need for us to revise our maps.

An error has been disclosed, it is true but it is hardly of the kind to affect the Atlas. It amounts, as a matter of fact, to rather less than one inch for each hundred miles. Not a very serious mistake!

When the measurement is completed it is expected that astronomers and surveyors will differ by about fifty yards for the entire length of this im-

Canada possesses nearly half the

water power of the world. Your clothes if hung up carefully will wear much better than if flung

RHEUMATIC TREATMENT

This Trouble Can Only be Got Rid of by Enriching the Blood.

that the things we now hold most only does it become thin, but it is cheaply are those of the greatest loaded with rheumatic poisons. With Who, for instance, would have crease, the general health is underthought that the air we breathe holds mined, the inflamed joints swell, and

secretions of the body, thus driving The atmosphere consists, roughly out the pains and benefitting the genquantities of argon and neon, among Stanley, Sparta, Ont., who says:-"For a number of years I was troubled Since the discovery of a method of with rheumatism, which at times was better, until one day my daughter As everyone knows, oxygen is often brought me a box of Dr. Williams'

> sooner you do so the sooner you will grill and a hot-water tank are locatdealer or by mail post paid at 50 cents vegetables, and a fish fryer, are also

Visible Sound.

Once the oxygen has been removed phenomena is the "flashing arcs"— CHILDHOOD AILMENT

while it is sometimes employed for mediately upon an explosion, and there en the stomach. They are guaranteed construction of four massive bridges seems to be no doubt of the fact that to contain no harmful drugs and can which, when completed, will be among

server told of hearing the explosion of a distant gun at the precise instant when the moving light band reached

These also are believed to have been

air is made visible by its effect upon Everybody has seen air shimmering over a hot stove or other heated sur-

The spreading shell may be aptly

Diner on English Railroad Electrically Equipped.

value of that is nearly fifteen million ed the best of health. I have since paratus is furnished by two genera- When a native decided he would closely into his doings. recommended Dr. Williams' Pink Pills tors, which are belt-driven from the have a totem pole, he and his family, So, soon the Indians who first in-Oxygen is used in many different to several others who received the axles of the trucks, each having a rating of 6 kw. In the kitchen, across chief, the whole clan, set about gather- cease to need it.

the company is seriously considering similar equipment for other trains.

Surnames and Their Origin

CLAYBURN

Most of the Clayburns and Clai- Source-A locality, also a title. bornes in Canada will be inclined to

maintain that it is Irish. In this they are not exactly correct. variously spelled by the Anglo-Saxons Point, is the next in importance.

are thirteen trillion tons of it avail- bornes and Clayburns in Canada are "hythe," "hithe" and sometimes "hide." the bridge will be a single decker with. able, and the supply is inexhaustible, Irish, but their name is not, though it How insignificant, both in size and has been known in Ireland since the were really two separate words. One and a 15 feet pathway, a road 35 feet wide, Work was begun this spring in plant-

ity was the seat of a lordship estab- meant a haven or harbor. Until recently no great continent lished in Westmoreland in Anglo-Norman times. The spelling then was Cheshire, the history of which dates "Cliburne," and it later became "Cle- back to before the Norman period, borne," from which evolved the form called Hyde.

Feed the body well

Right food for the body is

more important than right

Grape-Nuts

is a scientific food, containing all

the nutriment of wheat and malt-

ed barley. Grape: Nuts digests

easily and quickly, builds toward

health and strength - and is

delightful in flavor and crispness

There's a Reason for Grape Nuts

fuel for the engine.

HYDE. Variations - Hide, Ide, Hithereve, Hitherceve.

Racial Origin-English.

None of the family names in this ten lines of railway track.

were really two separate words. One and a 15 foot pathway for pedestrians. ing up the area in Vespra township, of them indicated a small farm, speci- The central span will be 1,600 feet in Simcoe county. Ontario, which the nesta, which can be obtained from any This name, which is often pro- fically a farm of the size which one length. nounced in England as though it were man could plow in one day. The spelled "Clebburn" or "Clebbern," was other, which was used principally, but originally a place name, and the local- not exclusively, in the maritime sense,

In addition there is a town in

indicates better than the others, quite of the most usual courses of developby accident it must be believed, the ment in family name formation would original meaning of the place name, indicate that all of them, with the main suspended span of 1,893 feet, the When, more than a century ago, the if you remember that in this case exception of Hithereve and Hithereve bridge will be over 400 feet longer French instituted the metric system, the "burn" means a stream of water, came in most instances from the name than the Quebec bridge, the famous association with fire. "Clagg" was show that an individual had come tral span was accompanied by two

An Alan de Cleburne, apparently, But there is no doubt about the A.D., and the name has flourished in reeve" could only have been (literally) Delaware River. It will connect the

"Copyright Law" of the Northwest Indians That a "copyright law," very similar ing wealth to meet the occasion.

visible sound waves. In either case, to that in force among the civilized These preparations usually began a gun or volcano, an explosion gives rise nations of the world, existed among year in advance; in some cases so long to a steadily expanding "shell" of con- the primitive Indians of northern Brit- a time as three years was spent in predensation in the air, which, followed ish Columbia and Alaska long before liminaries. While this was going on, by a shell of rarefaction, spreads out the white man came, is a remarkable the prospective owner called in the Montreal Woman Was On from the source at a speed of a lit- fact which a writer discovered re- artist of the tribe, a man of a distle more than 1,000 feet a second. centir while traveling through the tinctive class whose wages were very Under favoring circumstances we may northern wilderness region of British high. To the artist the prospective see it in outline. When it reaches our lears the vibration it imparts to our Beynon, of the Canadian ethnological figure and crest he wished carved. ear drums enables us to hear the ex- research. The strange thing is that The artist then started to work, spendthough much has been written of ing sometimes months on the intricate made me feel like a different person," The spreading spherical shell in the totem poles and some pictures of designs necessary. His work was said Mrs. Wm. Allen, 1515 Wellington them shown, the existence of copy- made highly difficult because he must St., Verdun, Montreal, Quebec. the paths of light rays coming to our right has been entirely overlooked. not in any way duplicate any carving "For five years I never knew what eyes. We say that air is invisible, In fact, the meaning of these poles, already in existence in the region, it was to be free from stomach trouble but it is not always so necessarily. and the strange ceremonies attaching This rule was very rigidly enforced, and finally was on the verge of a break-

the story of how these primitive peo- throughout, for though an odd totem be sure to suffer afterwards.

wealth, and power. Every native erishing themselves by such cere- have gotten over the nervousness, too. above the slave class aspired to raise monials, which have been commonly and am able to sleep all night long one some day. In the erection of the known among white men as "pot-

to them, have never been made known marking the first workings of the down. I actually dreaded for meal- Wood May Become Important

compared to a soap bubble in process ples of North America instituted a pole may still be raised among some "Tanlac has just changed things all of blowing, and the "flashing are" copyright law along exactly the same of the very primitive tribes, the custo the circular outline of the bubble. lines as followed by the white men to- tom has practically passed, through been going without any breakfast altothe natives' intercourse with the white gether and now I get up in the morn-To be the owner of a totem pole man. In fact, the Canadian governing so hungry I can eat bacon or most was a sign of social position, rank, ment has stopped the natives improvtemptuous of the native to inquire every dose increases my strength and ton of coal, but in the case of soft

THE LAST WORD IN EN-**GINEERING FEATS.**

Span the Hudson River.

In various parts of the world-in a mild but thorough laxative which in- Australia, Canada, and the United Nitrogen is obtained by driving the these "arcs" are sound waves made be given to the youngest baby with the greatest engineering feats in his-

trapped as nitre oxide, from which bands of light and shade that swept great help to my baby. They regu- River at New York. It will be 6,660 ft. heavy loads of logs have to be hauled the nitrogen itself is ultimately com- across the sky or over the ground near lated her bowels and stomach and long, or over 700 ft. longer than the out, always downhill. Often that helps Acid Indignation places where cannon were being fired. made her plump and well." The Tab- famous Brooklyn Suspension Bridge, to make the hauling easy, but some-

on either side and outside this large motor truck down a very steep broad. The lower bridge will have has powerful brakes on its four rear

is an English family name. They modern word "hide" which means a length the Australian bridge, which is takes care of the driving and steering. bland and harmless, a teaspoontal of skin. They are developments of an- to be erected over Sydney Harbor beother old Teutonic word which was tween Dawe's Point and Milson's Minard's Liniment for sale everywhere be t

It really had two meanings, or if four lines of railway, a road 35 feet,

Longer Than Quebec Bridge.

two decks. The upper deck will have started on the site

earth's circumference—which the yard the Anglo-Saxon word for "sticky from that place or was identified with disasters involving a total loss of eighty-eight lives.

Last, but no least, is the new susp that country, as well as in England, the harbor-sheriff. We would speak cities of Philadelphia and Camden. It is to cost more than twenty-five milion dollars, and will have a central span of 1,750 feet. Roadways, tramways, and pathways are to be included. A total of 33,000 tons of metal will be required, whereas a cantilever bridge would have needed 47,000 tons.

When these bridges are erectedand that at Philadelphia will take five years to complete, or eight years less than the famous Brooklyn structure -Britain will be outclassed in the matter of great bridge-building feats, says an English writer. It is hoped, however, that the armament firms deprived of work under the disarmament scheme will turn their attention to the matter, and proposals have already been put forward for various bridges-one over the Tay; another at Berwick-on-Tweed; two over the Thames, one between Barnes and Kew and one at Richmond; and one over the Severn.

As for remarkable bridges, the United States still leads the way with the one at Chicago. This works exactly like a lift, the central span be-! ing raised straight up when a ship has

is in the nature of a suspension railacross in a remarkable cage-like con-

Nurses War Memorial Fund. Canadian nurses from coast to coast are raising funds to erect a monument their lives during the Great War. On- to make any friends. tario nurses are requested to send their contributions either individually or through their local association to made for the use of miners, the curthe Fund, Miss Holland, 410 Sher-

When the Brakes Are of First Importance.

bourne St., Toronto.

Two of the remaining gases in the They were described as resembling the lets are sold by medicine dealers or by and over 1,000 ft, longer than the times the grades are so steep that it The great skill that will be required tails difficulty. Indeed, in these inin the construction of the new bridge stances the term hauling is a mismay be judged from the tremendous nomer, for that implies pulling the weight it will have to carry. The load, and the operation actually concentral span will be 3,240 feet in sists in pushing against the load in- and acid indigestion. length, and there will be two decks stead of pulling it. Two and a half Gas distends the stomach and causes Every miles of specially constructed track that full, oppressive, burning feeling On the upper deck-220 feet in is used at one western logging camp sometimes known as heartburn, while width-will be a roadway with a car for transporting heavy loads on a the acid irritates and inflames the will be two footways each 17 feet grade. The truck is six-wheeled, and wheels. These brakes are controlled the food contents of the stomach and

Simcoe County Municipal

county council has acquired for a druggist in either powder or tablet municipal forest. It will take several While not to be compared with years to plant up the whole area of either of these structures, the bridge eight hundred acres but the work will to be erected over the Detroit River proceed year by year till it is done. It for and take only Bisurated Magnesia, between Detroit and Windsor will be is possible that a nursery to grow part which is especially prepared for the none the less remarkable. It will have of the planting stock required will be above purpose.

> sphere on which the continents of the earth are outlined. At the North



Free from dandruff and itch-

ing. It's easy. On retiring rub spots of dandruff and itching with Cuticura Ointment, getting Ointment well on scalp. Nextmorning shampoo with Cuticura Soap and hot water. Rinse with tepid water. Scap 25c. Ointment 25 and 50c. Telesm 25c. Sold throughout the Dominion. Canadian Depot: Lymous, Limited, 344 St. Paul St., W., Mentreal.

135UE No. 21-'22

SAYS SHE HAD ACTUAL DREAD

Verge of Breakdown But Fats Anything Now, and Nervousness is Gone, Too.

"Tanlac is wonderful. It has simply

time to come as I knew no matter how Herewith is given for the first time The past tense has been used careful I was about my diet I would

anything else I want and enjoy it. I mornings feeling thoroughly refreshed, same heating value. A cord of dry

Tanlac is sold by all good druggists.

Rubberized Paper. A new process has been discovered for utilizing rubber in the making of The Runcoin bridge over the Mersey paper. It is claimed that the intro-million people. duction of even very small quantities way, the passengers being carried of rubber into the raw material results in the production of extraordinary toughness and strength.

Minard's Liniment Relieves Neuralgia

Many a man in the hour of his at the Capital in commemoration of need finds that he has been so busy Two Decks for Traffic on the Canadian Nursing Sisters who lost making money that he has forgotten

> Electric cap-lamps are now being the Provincial Secretary-Treasurer of rent being supplied from an accumulator strapped on the wearer's back.

Acid Indigestion.

So-called stomach troubles, such as

or cold water after eating or whenever gas, sourness or acidity is felt. This sweetens the stomach and neutralizes the acidity in a few moments

and is a perfectly harmless and inex-



Classified Advertisements MOUPLE WANT BOARD, PARM OR 100. Wilson Publishing Co., Ltd., 73 Adelaide St. W., Toronto. MURSES WANTED.

YURSES WANTED FOR TRAINING School in charge of graduate of Johns Hopkins Hospital. Apply Superintendent. Homewood Sanitarium, Guelph HELP WANTED-MALE. ANTED PERSONS TO GROW cellars, out-houses or gardens can be made yield \$25 to \$50 per week; illus-

trated booklet and particulars sent for 3c stamp. Toronto Supply Co., Cumstook BELTING FOR SALE ALL KINDS OF NEW AND USED belting, pulleys, saws, cable, hose, packing, etc., shipped subject to approval at low-

est prices in Canada. YORK BELTING . 115 YORK STREET, TORONTO. as Fuel.

In view of the threatened difficulty in obtaining coal in the near future, the question of the value of wood as a fuel again becomes important. According to the Forest Products Laborawoods, as much as two cords would, in

same amount of heat MONEY ORDERS.

The safe way to send money by mail is by Dominion Express Money Order.

Chinese is spoken by four hundred

COARSE SALT LANDSALT **Bulk Carlots**

TORONTO SALT WORKS C. J. CLIFF . TORONTO Those Having Sick Animals



Woman's Wish-Read Mrs. Cassady's

Experience Paris, Ontario.-"For five years I suffered with pains in my back and

that I thought were good. I saw the ladvertisement in the papers of Lydia.

CASSADY, Box 461, Paris, Ontario. This medicine which helped Mrs. Cassady so much is worthy of your confidence. If you are troubled with such ailments as displacements, inflammation, irregularities, or other forms of female weakness you should

give it a trial now. Lydia E. Pinkham's Private Text-Book upon "Allments Peculiar to Pinkham Medicine Co., Lynn, Mass. This book contains valuable infor-



Say "Bayer" when you buy Aspirin. Unless you see the name "Bayer" on tablets, you are not getting Aspirin at all. Accept only an "unbroken package" of "Bayer Tablets of Aspirin," which contains directions and dose worked out by physicians during 22 years and proved safe by millions for

Colds Toothache Earache

Headache Neuralgia Lumbago

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Hardy "Bayer" boxes of 12 tablets-Also bottles of 24 and 100-Druggiste Aspirin is the trade mark (registered in Canada) of Bayer Manufacture of Monoaceticacidester of Falicyticacid. While it is well known that 'apicin means Rayer manufacture, to assist the public against imitations, the Tabicis of Dayer Company will be stamped with their general trade mark, the "Bayer Cross"