THE SPEED OF LIGHT

The first astronomer to satisfactor In a first astronomer to satisfactorily demonstrate the speed of light was
Ole Roemer, a Scandinavian scientist,
who read his immortal paper on this
subject before the Academy at Paris,
on July 22, 1675. Roemer's calcula
Lighthouses and lightships dot the
coast of Great Britain at the average
rate of one every fourteen miles.

Immigrants landing in Canada between November 1st and March 1st tions and conclusions have steed the test of time and subsequent investigations on all important points. Knowledge as to the velocity of light was readily find shelter under a single barlight to us in eight minutes and four-teen seconds. Yet the sun is a near heighbor compared with the so-called fixed stars, which in reality move with inconceivable velocity, although the most powerful telescopes will not show that velocity as anything but rest. Beyond the outskirts of our insignificant solar system are other systems, and beyond them still others so far as the sight of man, aided by instruments, may bridge the ghastly chasm of the infinite. Distances beside which the immense line stretching from earth to sun is an invisible point are now measured by means of Roemer's epochal discovery as to the velocity of light.

Diseases of Wood

Wood has contagious diseases! A stick of wood in a lumber yard may be sick and infect other timbers, which later develop the disease when they are supporting great weights in a new building. Some of the diseases they will jump several feet across masonry or brick to some stick of

Most of the diseases are varieties to grees; so the most likely cure is to pay the prescribed portion of the fare, the money so advanced to be on ideas; it is their valuable raw mabeams are infected, and heat it up to 120 or 140 degrees. Even this is to 120 or 140 degrees. Even this is not always successful, for ends of

A complete steam fire engine, mount. ed on two wheels and light enough to be handled by two men, has been invented in England for suburban and

Aerial Mall Service

A device has been invented to permit an aeroplane to pick up mail bags and parcels from the ground while in

Baltimore made the first demand for field is wanted.

SCRAPS OF KNOWLEDGE FROM ALL OVER THE WORLD

enormous distances with which their it is said that the Bank of France science deals. Roemer found that light has an invisible studio in a gallery betravelled at the rate of 186,000 miles in a second. The sun, being distant from earth 92,000,000 miles, flashes customer can instantly have his pho-

tograph taken without his knowledge. France has a new device for carrying on correspondence by phonograph. The record is made on a square of prepared cloth, which can be sent through the post in an envelope, and is said to reproduce the voice with

in Paris. The man lived some thou-sands of years ago in Patagonia. He will never make a success of life. was about 6 feet 3 inches in height. Though he is now a stone statue, the body bears traces of two deep wounds.

Within the Antarctic Circle there has never been found a flowering plant. In the Arctic regions there are 762 different species of flowers.

California, may be seen a phenomenon nursed it, developed it, and cashed it! of a curious description. Four times You will look into the shop windows are so contagious that in a building a year—once every three months—the and see the idea that came to you—they will jump several feet across sun rises at such an angle that a but which you didn't keep—making sun rises at such an angle that a shadow about thirty miles long is thrown on the plain beneath.

In order to attract domestic servants

of dry rot caused by a fungus, and most of the varieties of the dry rot fungl cannot stand heat much over money if the immigrants were unable strate once: Wherever you are—and the New Zealand Government decided to pay the whole of women's passage make a record of that fleeting thought, money if the immigrants were unable Smart men have an idea book, that money if the immigrants were unable Smart men have an idea book, that

not always successful, for ends of beams are buried in the outer brick walls and the heat may not touch them.

Toy Size Fire Engine

The clock in the facade of St. Latinary Track the great inventions, and the first in Paris to what were they in origin? Just ideas! have the newly-adopted official numerals of 13 to 24 for the hours after noon. From 1 a. m. till 12 the figures 1 to 12 appear on the dial. As noon strikes they disappear, and the figures 13 to 24 for the hours after noon. From 1 a. m. till 12 the figures 1 to 12 appear on the dial. As noon strikes they disappear, and the figures 13 to 24 for the hours after noon. The pneumatic tire. Dunlop watched his boy at play, and suddenly the great inventions, and not always successful, for ends of the safety-pin. A pin with a covered point, that's all. But a fortune for the maker.

The clock in the facade of St. Latinary that they find the safety-pin. A pin with a covered point, that's all. But a fortune for the maker.

The pneumatic tire. Dunlop watched his boy at play, and suddenly the great find the safety-pin. A pin with a covered point, that's all. But a fortune for the maker. strikes they disappear, and the his boy at play, and suddenly the strikes 13 to 24 will take their places. The screw bottle-stopper. Another

Apparatus for pumping an anesthetic into a person's lungs and insuring the dministration of a definite dose has been invented by a Paris doctor.

Less conversation with the bleach-1866-Convention of workingmen at ers and more ball playing in the in-

WILL CLOSE AT NOON ON TUESDAY, SEPTEMBER 2nd.

A Strong Pull May Win This Magnificent Prize

For Your Favorite Candidate.

"SHADELAND EMPRESS"

Pony has arrived from the famous Dunlop Pony Farm at Green-

field Ohio. It comes fully up to expectations and is generally con-

It is a pony that a Prince or Princess would be proud to own.

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THE PONY IS HERE! A Beautiful Piebald Shetland

sidered by the hundreds who have seen and admired it, to be the

handsomest piece of dimunitive horse flesh ever seen in these parts.

On September 2nd it will be given away Absolutely Free to

one of our boys or girls. "Get in Now While the Going is Good"

The Great Pony Contest in

WHAT THE TONGUE TELLS

stitute for palmistry, halling from Germany, is the pastime of reading character and telling fortunes by the

A sensitive, quivering tongue denotes the artistic temperament. A tongue of a brilliant carmine hue de-

of tremendous importance to astronomical science since it enabled astronomers to accurately estimate the enormous distances with which that It is said that the Bank of France may acquire money by economy and as an invisible studio in a gallery becoming, he has not the largeness of mind necessary to the amassing of a

Long tongues suggest generosity and openhandedness. But the man with a long, broad tongue is apt to be a dangerous gossip; just as the man with a short, broad tongue is addicted to craft, and even deceptive-

Very thin, pointed tongues may be great accuracy.

A petrified man was sold by auction

A petrified man was sold by auction

JOT DOWN YOUR IDEAS

They Are Worth Money and May Quickly Slip the Mind

The scarcity of elephants in India may be inferred from the fact that it in 1835 one of these animals could be bought there for \$225; now the price has advanced to \$4,000.

From the summit of Mount Diablo, Chiffyrnia may be seen a phenomenon. The summit of Mount Diablo, The summit money for someone else!

Next time, make a record—and make it at once! Wherever you are—and

brilliant idea.

Boots will wear down at the heel. Hence the boot protector-a new idea,

and a fortune.

The perforations in the stamp sheets. Just an idea!

Many a workman who has slipped is "idea" into the idea-box in the works has his own house to-day, and draws a royalty larger than his wages, because he had an idea and did not let it go until he had cashed it!

There's always a market for igeas.

PLENTY OF WORK

Huge Tracts of Globe's Surface Are Desolate Wastes or the Home of Savages

On a rough estimate, about seven millions of square miles, or one-eighth of the total land surface of the world, are waiting to be discovered. Some 200,000 square miles of this lie in the Arctic regions of the North, but among the frozen tracts that form "Antarctic" in the South, where Scott and his gallant followers perished, nearly 3,000,000 square miles are relegated to the sole use of whales, seals, penguins petrels, and other animal and bird

inhabitants of frozen homes.

It is true that human communities could never be formed in such climes as these, but the scientific world is ever eager for the discoveries of plorers, and even among uninhabited districts their work is never wasted. In Arabia there exists a tract unexplored country nearly five times as large as Great Britain. It stretches from Mekka almost to the south-east coast, and is called Dahkna, or "The Dwelling of the Void."

A Riverless Tract

Probably no more desolate waste is to be found on the globe, for not a single river is estimated to flow throughout its entire 400,000 square miles. Some authorities state that the whole desert is not worth a dollar. Others give credence to the legend that treasures and hidden cities lie in the heart of the sands.

Of quite a different character are the enormous mountain-fastnesses of

South America, which lie along the Upper Amazon and in the districts of Columbia and Peru. The celebrated treasure of Cuzco less secreted among the Peruvian heights. Impenetrable Forests, mountain jungles, and in-numerable fever-spreading rivers hold the most intrepid adventurers at bay to say nothing of carnivorous ants, malignant snakes, water-moccasins, and those most deadly of serpents, anacondas. During recent years over a dozen expeditions were either wholly or partially wiped out in their efforts to wrestle with these regions.

Rich in Minerals

Although the famous El Dorado which set the sixteenth century ablaze has never been unearthed, the country generally might fittingly be called E priceless stones emanating therefrom Strange, wild-eyed men descend oc-casionally from the mountains, bring-ing wonderful fragments with them. But they refuse to act as guides those who would accompany them

It is curious to realize that vast portions of our own Empire have never been seen by British eyes or the eyes of any white men. Nearly a quarter of Australia is still unexplored, mainly in the west, where the population averages only one person in about twenty square miles. According to this basis, England's total population would work out at 2,500.

New Guinea has baffled countless expeditions, though many are still try-ing to fight their way inland from the coast. Despite the fact that the in-terior of this island is practically a geographical blank, it is neatly divided on the maps between Britain, Germany, and Holland. Among its products are birds of paradise, spices, and cannibals.

An Amazonian Empire

Another particularly interesting district which has so far defied civilization lies secreted among the Himalaya Mountains. Rumor says that it is sponsible for such rude laws as are necessary even in a lawless district in a luxury of inverted Mormonism by possessing four or five husbands

The foregoing selection does not exhaust by any means the list of geo-graphical blanks waiting to be filled. Before the Atlas Complete can lie on our shelves we must penetrate the darker haunts of Borneo, North America, the Congo basin, the seven-hundred-mile mountain range that stretches from Der Fur into the heart of Sahara, and numerous other spaces.

CHEAP FARES TO

100

TORONTO EXHIBITION.

In connection with the Canadian national exhibition at Toronto, which will be held this year from August 23rd until September 8th, the Intercolonial Railway will give very low excursion rates which will give the opportunity to many to visit the Queen City on the occasion of its great annual fair.

The Toronto fair is the largest and most attractive of annual exhibitions in America, and this year new permanent buildings have been constructed and its extensive boundaries enlarged by new boulevards. Aside from the attractions of the exhibition a visit to Toronto at this season is sure to be enjoyable especially in view of the very low rates prevailing. From Fredericton the round trip will be \$22.90 good going August 21, 23, 25, 26 and 27 and Sept. 3 and 4. A special rate of \$16.45 will prevail on August 22 and 28 and on September 2. All tickets are good to return September 10. Maritime Province travellers will have their choice of two through vestibuled trains, the Ocean Limited and the Maritime Express, both of which connect at Bonaventure union station, Montreal, with the through Grand Trunk trains for Toronto. It will be well for intending travellers to apply early for reservations

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