

NOTES ON SCIENCE AND INDUSTRY.

One of the most curious developments of commercial enterprise and industrial ingenuity, recently exhibited is the importation into this country of a peculiar vegetable material from Oran, an Algerian seaport on the Mediterranean Sea.

The triple expansion mill engine, lately described as having been erected for a flax spinning mill in Belfast. Ireland, secures close regulation by means of two governors, and each cylinder has four Corliss valves.

M. Leprie, a French artist, states that in demonstrating that sulphur melted at about 115° can be cooled in paper, he happened to use a lithographed card, of which the edges were turned up; upon taking away the card it was discovered that the lithographed characters were clearly and distinctly impressed upon the cooled surface of the sulphur.

Workers and artisans in metallurgy will be interested in the formula, lately published, of Horgan's process for coating sheet iron with lead, by means of which such admirable results are obtained.

The conversion of coal dust into fuel has for a long time been accomplished by various simple methods differing but slightly in their details; but it has recently been proposed, instead of the usual plan of using pitch to cement coal dust together to form briquettes, to resort to substances of a glutinous or farinaceous character, these including those obtained from wheat, barley, rye, or other cereals of vegetables, 5 per cent. to 95 per cent. of coal dust being found to constitute a suitable proportion.

A photographic journal states that by treating resin with sulphur to about two hundred and fifty degrees Cent., a reaction takes place, attended by the evolution of sulphuretted hydrogen, and leading to the formation of an almost black pitchy substance containing sulphur and resembling considerably the well-known Syrian asphalt in many of its properties.

A new English pattern of stair thread is made of alternate strips of lead and steel, the lead furnishing foothold and the steel preventing wear. The lead is cast in grooves in a plate of steel, and it is asserted that this form of step has unusual durability, not wearing smooth even under heavy travel.

Do Not Believe It.

Do not believe that Nerviline will cure neuralgia almost instantly. If your teeth ache console yourself with the reflection that pain can't last for ever. Don't use Nerviline; it might stop the pain. Rheumatism is often difficult to cure. Keep on rubbing the old fashioned liniments as a matter of respect to your grandfather's aunt. Nerviline is a new discovery that in itself ought to condemn it. Therefore cling to the old; suffer pain; avoid the use of Nerviline, the most powerful, penetrating, and certain pain remedy in the world.

Trying to Make Up.

Mrs. Muggs—"What are you drinking whisky for?" Mr. Muggs—"Th' grip, m' dear." Mrs. Muggs—"You got over the grip a month ago." Mr. Muggs—"Yes, m' dear; but I didn't know 'bout whisky bein' good for grip then, m' dear."

Across the Ocean in a Balloon.

To make a voyage across the ocean to Europe in a balloon is an enterprise projected by Professor Samuel A. King, the aeronaut, and several financial backers, to take a place from Philadelphia some time during next summer. The project is not yet definitely assured, although Professor King has been promised the funds necessary for a complete preparation for the trans-Atlantic journey.

"The talk is that the start," said he, "should take place some time in August from this city. That is the best time. I am very anxious that it shall really occur for I have been considering such a project for several years. I think I have a last mapped out the plans by which such a journey can be accomplished. It is necessary that I should try to make the trip soon, for in a period not far distant I might find that I have not vigor to risk such a task.

Should Professor King accomplish the voyage across the ocean in a balloon it would be the first feat of the kind in history. There have been several attempts made to cross the Atlantic through the air, but they resulted in signal failures. Professor Wise tried it about forty years ago, but he was not able to get a start. Subsequently Professor Lowe also made an attempt, the starting point being at Point Breeze, but the balloon was not properly made.

It is Professor King's opinion that the balloon necessary to make a trans-Atlantic voyage should be a hydrogen one, and the capacity should be from 400,000 to 500,000 cubic feet. He believes that a trip through a high altitude, say three and one-half miles high, as has been suggested by some aeronauts, is not advisable. His idea is that the balloon should carry a drag rope 1,000 or 2,000 feet long, with the end trailing in the water.

There would be two cars attached to the balloon. The upper one would carry the passengers and the food. The lower one would be used as a cuisine, and could be descended into by means of a rope ladder. The idea is to have the cuisine removed from the upper car about the space of twenty-feet, so that there would be no danger from the coal oil stove. Professor King has made over three hundred balloon ascensions in his career.

Syrup of Figs.

Produced from the laxative and nutritious juice of California figs, combined with the medicinal virtues of plants known to be most beneficial to the human system, acts gently, on the kidneys, liver and bowels, effectually cleansing the system, dispelling colds and headaches, and curing habitual constipation.

Her Nature Revealed.

Jack—"What is your idea of a true woman?" Harry—"One who will kiss her rival on the way to keep an appointment with a man she has hired to toll the bell at the hour of her rival's wedding."

Business is Business.

A good story is told of a New York millionaire who was caught on a surface car without change in his pocket. He went to the conductor quietly and explained his situation, and ended by saying: "If you're a smoker, perhaps you will not object to pay my fare and take its value in this way."

Here he drew from his cigar-case a fine after-dinner Perfecto and offered it to the conductor.

"All right," said the latter, "but 'biz is biz." The fare is five cents, and you'll have to give me two of them."

The passenger laughingly complied, as he thought the humor of the affair, intentional or not, deserved recognition.

Your action alone determines your worth. Blood Supply.

To one cupful of boiling milk add same quantity of St. Leon Water "cold." Drink before, with or after meals freely as necessity requires. You will feel such a glow, inconceivably warming and thrilling the pulses, such bracing of nervous power, such elevation of vital and mental force inconceivable, surpassing all preparations to supply life ever discovered.

Clemency is the surest proof of a true monarch.

Mr. John A. Campbell, Sr. Sixte, Que., writes:—"My wife was unwell for four years from irregular periods, brought about by a severe cold. She tried many remedies, but without relief. Seeing Dr. Williams' Pink Pills advertised, I procured two boxes and the result is a permanent cure. They are the best medicine in the world for the disease you represent them, for. Sold by all dealers.

There is no worship where there is no joy.

NEW YORK.

Elegant new buffet sleeping cars, especially built for this service, leave Union Station daily, except Sunday, at 4:55 p.m., running through without change to New York City over the popular West Shore route. Lunches are served on these cars, and they contain every comfort and convenience, and are so perfect in all their appointments that a trip to New York is made a pleasure, all tedious transfers and the annoyance of lunch counters being dispensed with. Sundays leave Toronto at 12:20 p.m., connecting with a through car at Hamilton, Train leaving Toronto every day at 12:50 p.m., connects at Hamilton with through sleeping car for New York, arriving 7:30 following morning.

Labor not needed for food is food for physic.

GIBBON'S TOOTHACHE CURE. For sale by Druggists. Price 15c.

She Was Willing to Give Up All.

When Queen Elizabeth of England, found death approaching her, she cried despairingly, "All my possessions for a moment of time!" There are wealthy ladies to-day the world over, who would gladly exchange their riches for sound health. Many are made well and happy by Dr. Pierce's Favorite Prescription, a never-failing cure for diseases so common to women. As a corrective for all functional weaknesses it is of universal repute among the sex, and thousands of pale, worn-out, enfeebled victims have been changed into vigorous women and girls by its use. Guaranteed to give satisfaction or price refunded. Druggists have it.

He who would search for pearls must dive below.

"Two Souls With but a Single Thought."

As they sat side by side, they sighed. "On my idol!" he said, and then idled. "Dear Luke," said she, as she looked. "I will wed thee if thou wilt," and he smiled. The honeymoon passed in an excess of joy. Excess in eating rich food brings indigestion, sick headache, and frequent attacks of dizziness. Dr. Pierce's Pleasant Pellets will cure all these. They are tiny, sugar-coated, and easy to swallow. No other preparation compares with them as a Liver Pill. They are guaranteed, and one is a dose.

Virtue treads paths that end not in the grave.

Here Lies:

Epitaph is a demoralizing kind of taffy. It appears on the tombstone, and eulogizes the dead almost to the very stars. The usual method of beginning, is: "Here lies." Very suggestive, for the lies are frequently quite astonishing—almost enough so to both amuse and amaze the dead of whom they are written. A truthful epitaph, in many instances, would be: "Here lies one who omitted to take Dr. Pierce's Golden Medical Discovery." If sick and suffering, and dreading premature death, test the potent remedy. It cures all chronic, liver, blood, and lung diseases, as biliousness, skin and scalp diseases, scrofulous sores and swellings, salt rheum, tetter, erysipelas, and even scrofula of the lungs (or Consumption), if taken in time.

Great truths are portions of the soul of man.

A. P. 599.

DR. WILLIAMS' PINK PILLS FOR PALE PEOPLE. Are a BLOOD PURIFIER and NERVE TONIC. They supply in condensed form ALL the substances needed to enrich the Blood and to rebuild the Nerves, thus making them a certain and speedy cure for all diseases arising from impoverished blood, and character nervous, such as paralysis, spinal diseases, rheumatism, sciatica, loss of memory, erysipelas, palpitation of the heart, scrofula, chlorosis or green sickness, that have a specific action on the sensory system of both men and women, restoring lost vigor.

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(young and old), suffering from mental worry, overwork, insomnia, excesses, or self-abuse, should take these PILLS. They will restore lost energies, both physical and mental.

SUFFERING WOMEN

afflicted with the weaknesses peculiar to their sex, such as suppression of the periods, bearing down pains, weak back, etc., etc., will find these pills an unfailing cure.

PALE AND SALLOW GIRLS

should take these PILLS. They enrich the blood, restore health's roses to the cheeks and correct all irregularities.

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