

NEWEST NOTES OF SCIENCE

A bundle of fine glass threads forms a new ink eraser.

A factory in Spain is making paper and pulp from esparto grass.

A machine has been invented to wash large quantities of eggs rapidly.

Japan has a gold fish farm that has been in continuous operation since 1743.

A new plane is provided with a shield for the hand to prevent it being bruised.

Extensive deposits of coal have been discovered in Congo by Belgian engineers.

Within the lid of a new pancake dish are contained a syrup cup and a butter plate.

The Uruguayan congress is considering the establishment of a military aviation school.

Recently invented stuffed animals for children have skins that can be removed and washed.

An English inventor's cigarette holder is equipped with a porous disc to filter the smoke.

For restaurant use cups and saucers that can be stacked for safe carrying have been designed.

Iron ore is found in almost every Chinese province, but it is mined extensively in only a few.

For renovating a lawn at any season a new sod roller has spoken that punches holes in the soil.

Ultra-violet rays aid digestion for persons with weak stomachs according to a French physician.

An acre of good fishing ground will produce more food in a week than an acre of land in a year.

Armenia has a copper mine that has been operated without interruption since prehistoric times.

Lights are the chief claim for an aluminum billiard cue that a Nebraska inventor has patented.

An electrical process to prevent boilers corroding and scaling has been invented by an Englishman.

To lessen the danger to the lungs from inhaling dust a new rock drill catches all its dust in a bag.

Germans have developed a process for spinning kapok fibres into yarn that can be woven into textiles.

A folding handle, which can be carried in a pocket, is intended to be used with a post card to form a fan.

The importation of patent medicines containing ingredients detrimental to health is prohibited by Ecuador.

Apparatus to enable a man to cut his own hair or that of other men without instruction is a recent invention.

In France nearly 500 acres of land are devoted to raising young trees of peculiar shape for umbrella handles.

A device called a detecture has been invented to permit a man one room to watch a cash register in another.

Experiments with cooling buildings by forcing air through hollow walls with electric fans are being tried in India.

A baby carrier to be hung on the back of an automobile seat and which can be folded flat when empty has been patented.

More than half of Australia has an annual rainfall of less than fifteen inches and more than one third less than ten inches.

To insure hospital patients having warm meals an electrically heated wagon to hold several food trays has been invented.

India leads oriental countries in the number of its blind, having about 600,000 to China's 500,000 and Japan's 100,000.

An inventor has combined an automobile horn and headlight, the sound being produced back of the lamp and issuing around it.

A wooden cup with rubber feet to prevent it slipping has been invented by an Englishman to help one-armed persons to eat eggs.

A steering wheel, adjustable to several positions, has been invented to replace the handle bars of a bicycle or motorcycle.

The Australian state of Victoria is electrifying its railroad system at an expense that eventually will exceed \$29,000,000.

A new tooth brush is cylindrical and is revolved against the teeth by a plunger working through it spirally grooved handle.

Of German invention is a farm implement.

A Swiss engineer has perfected a process that enables him to make X-ray photographs of the interior of concrete masses to inspect their reinforcement.

A racket in the hand of a golf club patented by a Philadelphian enables the head to be placed at any angle or club used with the right or left hand.

A combination lock to encircle an umbrella and prevent it being opened by a person ignorant of the combination has been invented by a London cafe attendant.

Failure in power transmission ropes generally begins at the core, where the fibres are subjected to greater friction against one another than at the surface.

A Frenchman is the inventor of a five-cylinder motor that can be attached to the rear fork of any bicycle to drive it at as high speed as its frame will stand.

Because of the danger from snow slides at the surface of the ground the air compressing machinery of a Colorado mine has been installed at a depth of 1,200 feet.

Although New Zealand for a long time has been known to possess many large iron deposits it was only recently that the first pig-iron was produced in that country.

YOU'RE BILIOUS! CLEAN LIVER AND BOWELS TONIGHT

Don't Stay Headachy, Sick, or Have Bad Breath and Sour Stomach.

Wake Up Feeling Fine! Best Laxative for Men, Women and Children.



WORK WHILE YOU SLEEP

Enjoy life! Remove the liver and bowel poison which is keeping your head dizzy, your tongue coated, breath offensive, and stomach sour.

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HAS READ THE WHIG OVER 70 YEARS

"My Country 'Tis of Thee" cheerily whistled a bright-eyed lad as he sorted out a Whig to hand to a sweet-faced old lady, waiting in the doorway of her home, corner of Division and Johnston streets, for her paper.

The youngster touched his cap in gentlemanly fashion and passed on. But Fate, in the guise of a Whig representative, happened to be passing at the same time, and instinctively paused.

Mrs. Robert Watts was born in Kingston, Oct. 12th, 1833, and is the proud possessor of a copy of the Kingston British Whig of 1843, which she purchased at the age of eleven years, and cherishes it greatly.

Their father came from France with his parents when she was an infant, during the French Revolution, escaping to a steamer at night.

Mrs. Watts' memories are mostly of Barriefield, St. Mark's church was opened in the spring of 1844, and the land on which it stands was a gift from Mr. John Marks, after whom it was called.

Another interesting fact is that during the rebellion of 1837 the father of Mrs. Watts was called out to fight the rebels, and witnessed the hanging of seven traitors outside the fort on the hill.

The Whig man heartily thanked Mrs. Watts for her courtesy, and extended many happy returns of her birthday, in which her many friends, both young and old, will join.

The fall is the most severe season of the year for colds—one day is warm, the next is wet and cold and unless the mother is on her guard the little ones are seized with colds that may hang on all winter.

A government chemist in Hawaii has discovered a method for neutralizing the harmful action of manganese upon pineapples grown on land impregnated with that mineral.

Two Philadelphia policemen have designed a motorcycle carrying five men, two fire extinguishers, a pump, a stretcher, a rubber pillow and a first aid outfit at a speed of 60 miles an hour.

An automaton figure of a man, constructed in Paris for advertising purposes, can be given more than 5,000 different poses by electric motors in its base, while a concealed phonograph makes it speak and sing.

A wounded comrade—Official Film, "Battle of the Somme."

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From the frozen north to the blazing tropics Baker's Cocoa

is known for its purity and high quality.

Walter Baker & Co. Limited ESTABLISHED 1780 MONTREAL, CANADA DORCHESTER, MASS.



Oh!

Come on over to Cooke's and have a Gold Photo taken. His studio is 159 Wellington street, near Brock, right next to Carnovsky's Fruit Store.

Ladies Attention!

Now is the time to look over our new fall styles. We have a choice stock of new goods on hand.

New York Skirt and Suit Co., 203 Wellington St.

\$25.00 FOR YOU

Our Club's Big Christmas Tree

WHAT PRESENTS ARE ON IT FOR BOYS AND GIRLS? \$25.00 Cash for the Boy or Girl Sending the Best Reply



See the list of presents opposite

Some Xmas Presents on the Tree for Boys and Girls: Air Rifle, Baseball, Doll, Doll Cartage, Book, Basketball, Building Blocks, Game, Hockey Stick, Football, Perfume, Time Book, Silk Handkerchiefs, Skates, Wrist Watch, Wheel of Toys, Ring, Notebook.

\$15.00 CASH FOR THE 2nd BEST; \$10.00 CASH FOR THE 3rd PRIZE and 50 bright, new, crisp \$1.00 Bills for the 50 boys and girls sending the most nearest correct and best written answers

SO that we may become acquainted with more of our boys and girls this Christmas, we are giving you this fine Christmas Tree loaded down with beautiful and valuable presents.



Wounded Stretches—Official Film, "Battle of the Somme."

THE British Red Cross again appeals to the generous heart of Ontario for funds to carry on the splendid work of caring for our sick and wounded defenders on every front.

It is the deep concern of British subjects everywhere to aid and hearten the workers in their splendid, self-imposed duties. All can help—will YOU!

By proclamation of His Honor the Lieutenant-Governor of Ontario Thursday, October 19th, "OUR DAY" is set aside as a day of giving to

The British Red Cross

Here is a call to touch Men's hearts, and Women's, too. Give generously, that the cry of your anguished defenders may not go unheeded.

The British Red Cross maintains hundreds of hospitals in Great Britain and on every battle-front. It provides and runs hundreds of motor ambulances, steamships, motor launches, rest stations and convalescent homes.

Give through the Treasurer of your Local Committee, or send your subscription to the Clerk of your municipality, or make it payable to Hon. T. W. McGarry, Treasurer British Red Cross Fund for Ontario, Parliament Buildings, Toronto. Do it on "OUR DAY," October 19th, or sooner.

These Suffering Ones Need YOUR Help



A Wounded Comrade—Official Film, "Battle of the Somme."

Why Should You Give to the British Red Cross?

- BECAUSE your gift may save some gallant life. BECAUSE without Red Cross work thousands of soldiers and sailors would die. BECAUSE trained men are vitally necessary to the Empire's safety, and their lives must be saved. BECAUSE your own friend, son, brother, husband may be the next to call for Red Cross aid. BECAUSE you may not be able to fight, but you CAN heal with your gift. BECAUSE the British Red Cross is the greatest physical agency for good in the world, and the most efficient. BECAUSE your money does more good in the hands of the British Red Cross than spent in any other way. BECAUSE the Motherland's only direct appeal to us Canadians is for assistance in the great mercy work. BECAUSE Ontario's shining gift of \$1,514,000 last year should be an inspiration to us now. BECAUSE the number of sick and wounded is ever increasing as the price of victory. BECAUSE if you do not give you will have missed a great opportunity for doing good—"the Angel of Mercy will move on, abashed, from your door, way."

Give and Heal!



In TRAINING

Thousands of men suddenly called to undergo the hardships of winter training find the sustaining power of Oxo Cubes invaluable for supporting health and strength.

Oxo Cubes have a body-building power out of all proportion to their bulk. Many a young soldier, wet through, and physically exhausted by hours of marching or other duties, has had cause to bless the invention of Oxo Cubes.

Oxo Cubes are so convenient and handy that they can be carried on the person without adding to the weight of one's equipment. A cup of Oxo or an Oxo Cube sandwich enables one to go for long hours.

A Cube to a Cup

Time of 4, 12, 24 and 36 Cubes.



Oxo CUBES