

NEWEST NOTES OF SCIENCE

Sweden has about 1,200,000 sheep, the property of some 300,000 persons.

In the top of a new toaster for gas stoves is a recess in which eggs can be boiled.

Seventy-eight per cent. of the inhabitants of one Swiss canton are embroidery workers.

The tongue which retains the pen in the new holder is threaded for easy removal.

According to a British physician, cinnamon mixed in food is an excellent preventive against measles.

Electrically operated, a combined brush and vacuum machine has been invented for cleaning blackboard erasers.

Uruguay is to have a permanent electrical exposition at Montevideo to teach and extend the uses of electricity.

The metal cap of a new fruit jar is slightly convex and by depressing the centre the edges are sprung away from the jar.

Tubes made of glue have been invented in Europe for handling petroleum, gasoline and some gasses in places of rubber tubing.

For the use of persons who have lost the use of their legs an easily operated motor driven wheeled chair has been invented.

Artificial coloring of gold fish by keeping them in water containing certain chemicals is extensively carried on in Sicily.

Apparatus with which it is possible to make motion pictures of living microbes has been perfected by a California scientist.

The city of Lyon has opened a professional training school for the higher technical and scientific development of French women.

Stumps are converted into shavings by a new rotary cutting machine and the shavings are drawn into bags for removal by a vacuum.

An automobile radiator has been placed within a fly wheel by a Rumanian inventor, the water being cooled as it is whirled around.

A low truck and tractor for use about factories has a large caster wheel in front that permits it to be turned in its own length.

Argentina is the chief consumer of tea among the nations of Latin-America, importing more than 3,000,000 pounds from Assam last year.

For the use of bow-legged men a light, flexible frame has been invented to be strapped to a leg by a garter to make trousers hang straight.

A French electrotechnical committee has decided upon a number of standards for use in electrical apparatus.

A ball that rolls around inside a new spark plug for automobiles is intended by the inventor of the device to prevent accumulation of carbon.

Windshields have been invented that can be mounted on the back of the front seat of an automobile to prevent drafts caused by the usual shields inconveniencing persons on the back seat.

For sending soiled clothing to laundries in hospitals or hotels a

GOT WET FEET TOOK AWFUL COLD COULD NOT SLEEP FOR COUGH.

A bad cold accompanied by a distressing cough that keeps you awake at night is most aggravating, and unless it is attended to at once may develop into something very serious.

Dr. Wood's Norway Pine Syrup is the remedy you should take. It heals the mucous surfaces, relieves oppression and tightness of the chest, removes the accumulation of phlegm, quiets the most obstinate and distressing coughs, and secures rest and sleep at night, not only to the sufferer, but to others whose rest would be otherwise broken.

Mrs. Ezekiel Acker, Lake Pleasant, N.S., writes: "I got wet feet and took an awful cold; could not sleep at night, and would do nothing but cough. My husband got me a bottle of medicine, but it was not worth bringing home, I was going to call the doctor in when a friend asked me to try Dr. Wood's Norway Pine Syrup. I told her I had little faith in it, but she urged me to get a bottle. I did, and I must say that of all the medicine I ever took, it is the best, and relieved me the quickest of anything I ever saw."

"Dr. Wood's" is put up in a yellow wrapper; three pine trees the trade mark; price 25c and 50c; manufactured only by The T. Milburn Co., Limited, Toronto, Ont.

chute has been invented that is built of steel with a fused in lining of glass.

A plant is to be established in Havana to manufacture automobile tires and other rubber goods from old rubber, said to be plentiful in Cuba.

French chemists have discovered a way to make a cement from the scum from beet sugar refining, heretofore wasted, as it contains much carbonate of lime.

Because a diaphragm separates the air chamber from the moving parts of a new tire pump for automobiles, oil is prevented from entering tubes with the air.

Meat inspectors in Europe have found the motion picture camera useful in their work, enlarged photographs showing micro-organisms in motion if meat is diseased.

An inventor has patented a mirror to be so mounted in clothing store windows as to enable men to see just how they would look if they were wearing garments displayed.

Sea water will be pumped by electricity and evaporated by the sun at a new plant that is expected to supply New Zealand with almost its entire requirements of salt.

The barrel of a new concrete mixer, which can be belted to an automobile engine for power, can be tilted at various angles and continues to revolve while being dumped.

British experts have estimated the world's production of copper last year in excess of 1,000,000 metric tons, for which credit is given the United States for 650,000 tons.

To permit electricity to be supplied to dining table appliances through a floor without cutting a rug or carpet a plug has been invented that

makes its contacts with sharp points.

In a vanity box for women invented by a New Yorker the powder is carried under a perforated plate so that only a limited amount is obtained when a powder puff is pressed against it.

Stray electric currents from a railroad are supposed to cause trees on one side of a Brussels street to bud again and sometimes blossom after they have shed their leaves in the fall.

An automobile brake has been invented to prevent riding plows running forward into horses when their shafts are lifted from the ground or when they are being moved from field to field.

A metal ball moving a curved glass tube filled with a liquid has been invented in England to enable an aviator to see at a glance the deviation of his aeroplane from the horizontal.

To make chickens take exercise the best way to preserve tire tubes is to partly inflate them and hang them in a darkened room in which is a dish of unslaked lime and one of ammonia.

To protect a motorist from the glare of approaching headlights a shield wound on a spring roller, to be attached to a windshield and pulled down into place when needed, has been invented.

To water trees on city streets, a German forester has invented a perforated metal ring to be buried in the ground above their roots, an opening extending above the ground to receive water.

To be connected with a piano or organ keyboard, a Swedish musician has invented electric apparatus that transcribes as it is composed, upon a wax ribbon, from which it can be copied.

Investigation has shown that more firemen are injured than any other class of men employed in the electrical industry, but that only a small percentage of accidents are due to electric shock.

English scientists have found that heating the ground with steam pipes before planting seeds increases its food value and that plants thus raised blossom earlier and produce more crops.

A new form letter printing machine cuts paper fed from rolls into the proper size, uses three colors of ink when desired and automatically changes the names and addresses for each letter produced.

To make the sight gauge of a stationary engine readable from a distance a German inventor has equipped a gauge with an arrow, the point of which follows the rise and fall of water in the glass tube.

A powerful electric submarine camera that a New York man has invented is expected to get as much information about sunken vessels in a short time as it would take experienced divers days to gather.

To enable a motion picture photographer to devote his entire attention to watching his objects, a hand or motor operated winding device, mounted on a separate stand and conveying its power by a flexible

more Soap

PREMIUMS

COMFORT SOAP

Premiums not good value now

We've given them up—until after the war anyway. There is a far better way to give you real Comfort value for your money and we've done it—we've made the Comfort Soap bar much bigger.

COMFORT SOAP

The new bigger bar—better value now!

Many of the Premiums—books, glassware, toys, jewelry, etc., used to come from Europe. These cannot be shipped now on account of the war, and the premiums we can still get are either so poorly made or so expensive that the value simply isn't there. The best way out is to give you all the value of the premium in the biggest-selling soap in Canada—that's Comfort. The Comfort bar is bigger now—at the same price.

Of course all wrappers, coupons, etc., now out in the stores will be redeemed as heretofore—but get them in early before our present stock of good Premiums is used up. If the new bar isn't in stock yet, the old one is just as good value—with premiums.

Pugsley, Dingman & Co., Limited,
Toronto

more Soap

PREMIUMS



Back Ache!

NATURE gives warning of approaching disaster, and backache tells you that the kidneys are deranged.

As soon as the kidneys fail poisons are left in the blood, which cause aches and pains, rheumatism and lumbago.

The digestive system is interfered with, and there is gradual loss of flesh and harshness and dryness of the skin. There is often headache and dropsical swelling of the limbs.

The most effective treatment is that which awakens the action of the liver and bowels, as well as the kidneys, for these organs work together in removing the poisonous impurities from the system.

This is the reason why Dr. Chase's Kidney-Liver Pills are so successful in the treatment of diseases of the kidneys. This is why they frequently cure when ordinary kidney medicines fail.

Just put this medicine to the test when you have backache, headache and other indications that these filtering and eliminating organs are sluggish in action, and see how quickly they will respond.

Prevention is always the wiser course. For this reason it is well to keep Dr. Chase's Kidney-Liver Pills at hand, and by regulating these organs forestall serious disease.

Dr. Chase's Kidney-Liver Pills

One pill a dose, 25 cents a box, all dealers, or Edmanson, Bates & Co., Ltd., Toronto. Do not be talked into accepting a substitute. Imitations only disappoint.

shaft, has been invented.

To clean the air that enters an automobile carburetor an inventor has patented a device that passes it through curved, square sectioned tubes, the dirt being thrown to the sides by centrifugal force.

Acetylene lighting is expected to come into general use throughout Denmark as the government has appointed a commission to pass upon lamps offered for sale and carbide is easily obtainable from Norway.

An ancient water wheel is still doing duty on a New Jersey estate, where it pumps water for three acres of ground and furnished many electric lights at expense of a few cents a month for lubricating oil.

To enable hunters to accurately aim at game at night an Englishman has invented a searchlight to be mounted beneath the muzzle of a rifle, supplied with current from a storage battery in the stock of the weapon.

Pressing one end of a pedal with the foot admits cold water to a new washstand, pressing the other end allows hot water to flow and pressing the entire pedal mixes the two so that moderately warm water is obtained.

The United States ranks first among all nations in the production of soapstone and Virginia produces twenty times as much as the four other producing states, Maryland, North Carolina, Vermont and Rhode Island.

In granting concessions for development of its recently discovered potash deposits, Spain is requiring concessionaries to reserve for national consumption such parts of the salts as the Government deems advisable.

A Sacred Lake.

In Central Ashanti there is a sacred lake, Bosumtvi, which lies about eighteen miles south-east of Coomassie, and is the only real lake in the country. It is roughly circular in shape, and with a diameter of four miles, and lies in a deep depression with sides rising to six hundred and seven hundred feet above its surface. It has never yet been fathomed. An attempt was made to sound it by Mr. A. J. Philbrick, Acting Chief Commissioner of Ashanti, but the line broke after one hundred feet had been lowered. The water is fresh, though the lake has no outlet, and only a few small streams flow into it. The Ashanti regard the lake as a great fetish, believing that it is the abode of a powerful and energetic spirit which manifests itself, among other ways, by flashing lights on the surface and making noises like the discharge of artillery. There are numerous villages round the lake, but no canoes, paddles, fish-hooks, or brass pans are allowed on or near it. The natives do however permit themselves to catch the fish which abound in the lake, and they resort to the ingenious method of overcoming the disabilities imposed on them by its sacred character. Platted reed mats with gaping mouths are taken out from the shore by men lying face downwards on cigar-shaped logs of wood. They propel themselves by paddling with their hands, and, having set the mats as a trap, they retire long enough to allow the fish to enter.

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Ask your "GROCER" For

SUNKIST SEEDED and SEEDLESS RAISINS

The Best for Pie or Cake.

The Secours National Raising Funds to Rebuild Town of

VIMY

What is the Secours National?

The parent organization is in France, headquarters Paris, and is under the distinguished patronage of the President of the French Republic. The organization gives immediate relief to those in France rendered destitute by the war, and furnishes hospital supplies where needed. The Canadian organization receives money, clothing and supplies for transmission to France.

Who is to Rebuild Vimy?

The President is Sir Glenholme Falconbridge. Mr. W. R. Johnston is Hon. Treasurer; Mr. John M. Lyle is Hon. Secretary; Mrs. W. W. Beardmore is Chairman of the Ladies' Executive; Mrs. Triumbull Warren is Chairman of the Town Adoption Committee.

Is Canada's Help Necessary?

You and your neighbors throughout Canada will rebuild Vimy. The Secours National, as the representative of Canada's war work among the French, carried on the negotiations to secure the necessary authority from the French Government to create a new Vimy. The Secours National will receive contributions from all sources and will superintend the actual operations at Vimy.

Those that are left of the inhabitants of Vimy on July 1st, 1914, are practically without resources of any kind. Those of her men who have not figured in the casualty lists are totally without means for starting life afresh. The women and children are destitute and dependent on the war relief administered. Not one building in the town remains uninjured! Obviously, the former dwellers in Vimy cannot help themselves. France's financial burdens are staggering. We in Canada are glad of the privilege to rebuild Vimy as an enduring monument to our brave boys. Though your contribution may seem small to you, it will loom large to the homeless!

Contributions should be sent without delay to W. R. Johnston, Esq., Hon. Treas., 14 King St., W. Toronto, Ont.

Secours National

Thermometers are insignificant when you are a man, but they are of great value when you are a woman. They tell you when you are hot or cold, and when you are sick or well. They are the only instruments that can tell you when you are in danger. They are the only instruments that can tell you when you are in pain. They are the only instruments that can tell you when you are in trouble. They are the only instruments that can tell you when you are in need. They are the only instruments that can tell you when you are in distress. They are the only instruments that can tell you when you are in despair. They are the only instruments that can tell you when you are in hell.