

SCIENTIFIC
PARAGRAPHS

Five loaves in the United States and Canada last year cost \$234,337,250.

In all European Russia there are only sixty-two electrical distributing stations.

The United States and Australia consume nearly all the sulphur produced by Japan.

A petroleum pipe line 250 miles long is being built in Belgian territory in Africa.

Wool is being made from chicory root in Germany, in several portions of the chicory grows freely.

End mortality figures indicate that miners are now the healthiest class of men except clergymen.

Asbestos recently was discovered in Serbia in quantities that are expected to make mining profitable.

The Bavarian postal service utilizes 144 motor vehicles, operated on fifty-seven lines.

More than 1,100 women students are enrolled at Berlin university this year, of whom sixty are from the United States.

For rapid maneuvering in narrow channels a new English tugboat has been built up to the point where the twin propellers will spread.

Irrigation is slowly lowering the average temperature of Egypt.

The Russian government is planning to buy 2,000 motor trucks for the use of the army.

London spends more than \$1,000 a year to keep its streets clean.

A solution of paraffin in turpentine makes a good lubricant for the shafts.

Only One "BROMO QUININE."

That is LAXATIVE BROMO QUININE. Look for the signature of E. W. GROVE. Cures a cold in one day. Cures grip in two days. 25c.

SAVE THE BEES.

They'll Need Artificial Food This Winter.

Buckwheat honey seems to be a very scarce article this fall. Dealers in this product who usually buy and sell from fifty thousand to one hundred thousand pounds every year are having greater difficulty than usual in getting their winter's supply.

As bees in a great many parts of Ontario depend on fall honey for their winter's stores, this would indicate that they also will be running short before spring unless the beekeepers are careful to see that they are supplied with artificial stores. The Provincial Apiculturist, Mr. Morley Pettit, gives the following directions for making feed for wintering bees.

Place twenty pounds of water in a boiler on the stove and bring to a boil, then stir in fifty pounds of best granulated sugar, stirring thoroughly until fully dissolved; bring the syrup nearly to a boil again and stir in three teaspoonful of tartaric acid, previously dissolved in half a cup of water. This makes a good thick syrup, which will make the very best of winter stores for bees.

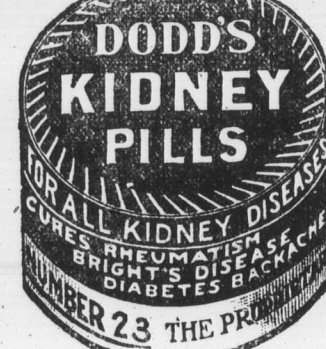
A good color of bees will require thirty or more lbs. of this syrup unless they are well supplied with honey. At this late date the only feeder to use for outdoor wintered bees is the half gallon fruit jar. Fill the jar, draw over the top a piece of cheesecloth, then screw down the ring holding the cheesecloth tight. The jar of syrup is now placed upside down on the frames of the brood chamber so arranged that the bees can come up between the frames and suck the honey from the cheesecloth. Air pressure will prevent the honey running out any faster than it is taken by the bees. Five or six of these jars can be placed on one hive at once and warm packing placed around them to prevent the escape of heat from the colony. In a few days the bees will have taken the syrup all down and stored it in the combs, when the jars can be taken off and the packing fixed down on the hives for winter.

The Ontario Agricultural College, Guelph, is offering a free course of lectures on beekeeping lasting two weeks, during January. Persons interested in taking this course should write to the President of that institution, asking for a copy of the programme.

FACTS FOR THE CURIOUS.

The longest stretch of railway in the world without a curve is in New Zealand, where there is a line of railway a part of which stretches for a distance of 136 miles in a perfectly straight line, says the Christian Herald. This fact is remarkable when it is taken into consideration that New Zealand is one of the most difficult countries in the world for railway construction, as it is very mountainous, necessitating sharp curves and very heavy grades.

Alfalfa, perhaps the oldest of all cultivated forage or hay plants, has had a history scarcely less interesting than that of the many nations which have utilized it. Those nations have prospered almost in direct proportion to which they have used it. The name "alfalfa" comes from the Arabs and means "the best fodder," and in fact it appears to have originated in Media or in some adjacent country, as the folk-lore tales from lands on different sides of this area point toward Media as the place whence it came.—Exchange.

Old folks who need something of the kind, find
NA-DRU-CO LAXATIVES

most effective without any discomfort. Increased doses not needed. 25c. a box at your druggist's.

National Drug and Chemical Co. of Canada, Limited.

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THE SOCIALIST'S USE.

(Rochester Herald.)

As we read of Socialism possessing one of the most effective of the kind, find that there is not a defect in the present social order which the Socialists do not perceive. All of those defects, and there are many, the Socialists lay bare and bids us consider them with becoming seriousness. The man who looks for work and goes hungry and more than because he can't work could be found, the Socialist tells us we must not overlook. And so, too, with the millions whose wages never rise much above the rate of subsistence. The Socialist will not let us forget them. True, he usually exaggerates them, and sometimes confuses social ideas with individual errors. But some genuine evils that belong to the scheme of society, he lays his finger on.

This is a real service to society.

Minard's Liniment Cures Diphtheria.

(By a Physician.)

DISEASES CARRIED BY INSECTS.

(By a Physician.)

Scarcely second in importance to bacteria, the primary agents in infectious diseases, are parasites and other insects, the active and often indispensable mediums in the spread of such diseases. This question has not been exhaustively studied, and it is possible that scarcely more than a beginning has been made in determining what insects may act as carriers.

Mention need hardly be made of the two species of mosquito, the house fly, the flea, the tick, etc., as well-known carriers. Surgeon M. E. Gates, of the United States navy, states in a recent bulletin on shipboard roaches, to which hitherto little attention has been paid as carriers of disease, are responsible for the spread of typhoid, diphtheria, tonsillitis and tuberculosis. If this is possible on board ship, it is no less possible in the congested quarters of cities, tenements, rooming-houses and especially hospitals.

The experiments of Dr. M. J. Rosenau, of Harvard, recently reported before the International Congress on Hygiene and Demography, says the Journal of the American Medical Association, indicate that infantile paralysis may be carried by the common biting or blood-sucking stable fly.

Minard's Liniment Cures Diarrhoea.

(By a Physician.)

THE END OF THE RAINBOW.

A suggestive despatch from Maine tells of two boys, who, playing among the rocks on the Atlantic coast the other day, found a lump of ambergris. The lump is described as "the size of a pea measure," and if that is true, these boys are lucky indeed. Ambergris is more precious than gold, being worth about \$300 a pound.

Of course, the story may not be true. Ambergris is good material for romance. The poor sailor, wandering along the beach, suddenly stumbles upon a lump of pungent mass and realizes that his fortune is made. And anybody may do it. All one needs is a beach. Ambergris is better than diamonds, because there is no ambergris trust, no ambergris diggers, no mines, no trouble, no smelting. True, it isn't good for anything but to make perfume out of—but diamonds aren't good for anything but to cut glass with. They are scarce, and, therefore, valuable. And ambergris is as scarce. Ambergris has no romantic origin. A whale gets something the matter with him—indigestion, it may be, from some small fish he has eaten, or from some other cause, and he dies. The whale's body is then taken to the beach, and the ambergris is found. It is a very curious thing, and some of the most valuable of the products of the sea. It is a very curious thing, and some of the most valuable of the products of the sea. It is a very curious thing, and some of the most valuable of the products of the sea.

People used to think that this rare substance possessed medicinal properties. Medieval doctors prescribed it to millionaire patients. It was even employed in cookery and one is told that Charles II. died of eating too freely of ambergris and eggs. It doesn't sound appetizing. All it is good for now is end-of-the-rainbow treasure—something for a poor boy to find or to hunt for, which is just as good, in the far land of youth, as to be transformed by it into an Aladdin with all the gold for his slaves. Ambergris is White Magic, not black magic, and may all set out in search for it.—Cleveland Plain Dealer.

PILES CURED IN 6 TO 14 DAYS.

YOUR DRUGGIST WILL REFUND MONEY IF PAVO OINTMENT fails to cure any case of Piles in 6 to 14 days. 25c.

MAKING A HERO OF THE THUG.

(Detroit Free Press.)

While the agencies of justice have been attaining excellent results in their determined efforts to stamp out gang criminals in New York, it is a matter for regret that the yellow newspapers, not only of the city directly concerned, but in other centres of the country, have shown a disposition to turn the crimes of their own people into a source of profit.

DRAWN THE LINE THERE.

Father—Mabel, you might give that young man who comes to see you in the evenings a message.

Mabel (blushing)—Yes, father.

Father—Tell him that we have no objection to his running up the gas bill, but we'd rather he wouldn't carry away the morning paper with him when he leaves!—London Opinion.

WASTED OPPORTUNITIES.

(Pittsburg Gazette Times.)

We gather from a statement of the Associated Press, published yesterday, that the able-bodied American man who didn't drink 326 glasses of whisky last year, besides beer and wine, didn't get his share. However, it is too late now, so it won't be worth while to try to catch up on New Year's eve.

Patient is sorrow's slave.—Churchill.

The man who is always making excuses wastes a lot of time that he might use to advantage in making progress.—Detroit Free Press.

The hangover was watching the upholsterer lay a carpet. "Anybody can do that," she sneered. "I'd just like to see him try to lay an egg!"

NEW BIRTHSTONES.

List Sanctioned by American Jewelers' Convention.

While birthstones have always had their place since time immemorial, the new ones for this year are receiving considerable attention, for it was not until the recent convention of the jewelers of America in Kansas City that the list was adopted, and it contradicts some of the old traditions.

January's gem is the garnet, indicative of constancy and fidelity. February has the amethyst, which denotes sincerity. Bloodstone is the gem for March, and is supposed to give its wearer presence of mind and to help them to be firm and true. The blue aquamarine is an alternative March birthstone—it was on an ancient Russian list in such capacity.

The diamond is for the April girl—the diamond is supposed to guard innocence, hence its use in the engagement ring.

The emerald, signifying happiness, is the gem for May. Pearls, which bring health, and the moonstone, indicating ill-luck, are the gems for June. The deep red ruby, emblematic of love, is the symbol for July. August has the sardonyx, indicating fidelity, with the bright, sparkling Peridot as an alternative gem.

HE WAS SURE NABBER.

The London police authorities had been looking for a certain thief, of whom they possessed six photographs taken in different positions, on the occasion of previous convictions. These photographs were sent to all the towns in the country.

After some time the detective department received from the police commissary of a small town the following letter:

"Sir, I have duly received the photos of the accused persons you are seeking. I have already arrested five of them, and the sixth has been traced by my officers, who hope in a short time to capture him."

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This island is only one and one-half miles wide and its whole population numbers but fifty-five. In 1836 Tavorara was granted independence by Carl Albert, and a certain Bartolomeo, a native of the island, under the name of Paul I. He died in May, 1882. In 1886 the Tavorarans proclaimed the republic, and according to their constitution a president is elected every ten years.—Chicago Tribune.

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SUFFERED 2 MONTHS WITH HEMORRHOIDS

Began with Itching Sensation. Kept Awake at Night. Caused Great Pain. Thought Operation Only Cure. Cuticura Soap and Ointment Entirely Cured in 6 Weeks.

54 Strange St., Toronto, Ontario. "I suffered for two months with the piles. They first began with a sudden itching sensation which used to keep me awake at night. I tried different kinds of ointment to stop the itching which did not give me any relief. At last, after a few weeks they began to bleed. I did not know what to do as they caused me great pain. I began to think that an operation was the only cure for them. I heard of Cuticura Soap and Ointment and decided to try them. I sent for a sample and after using them a few times I found out to my great relief they gave me less pain than the bleeding began to cease. I got some more and continued with the Cuticura Soap and Ointment. I began to get better sleep at night and after six weeks' careful treatment I find that I am entirely cured." (Signed) A. Bennett, 54, 1912.

If you wish a skin clear of pimples, blackheads and other annoying eruptions, hands soft and white, hair alive and glossy, and scalp free from dandruff and itching, begin to-day the regular use of Cuticura Soap for the toilet, bath and shampoo, assisted by an occasional light application of Cuticura Ointment. Sold throughout the world. Large sample of each mailed free, with 32-p. Skin Book. Address post card Porter Drug & Chem. Corp., Dept. 412, Boston, U.S.A.

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