## SCIENTIFIC **PARAGRAPHS**

bure loses in the United States and Canada last year cost \$234,337,250. In all European Russia there are only sixty-two electricat 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 terri-

tory in Africa.

Alcohol is being made from chicory root in Germany, in several portions of which the chicory grows freely. English mortality figures indicate that farmers are now the healthiest class of men except c'argymen. Asbestos recently was discovered

in Sardinia in quantities that are expected to make mining profitable. The Bavarian postal service utilizes 144 motor vehicles, operated on

fifty-seven lines. are enrolled at Berlin university this the year, of whom sixty are from the

United States. For rapid maneuvering in narrow channels a new English tug boat has the keel cut away forward and the

twin propellers well spread. Irrigation is slowly lowering the average temperature of Egypt.

to buy 2,000 motor trucks for the use of its army. London spends more than \$3,000 000 a year to keep its acreets clean.

A solution of parrifin in turpentine

makes a good lubricant for window Only One "BROMO QUININE."

SAVE THE LEES.

They'll Need Artificial Food This Winter.

Buckwheat honey reems to be a very scarce article this fall. Dealers in this product who usually buy and sell from fifty thousand to one hundsed thousand pounds every year are having greater difficulty than usual in getting their vinter's supply. As es in a great many parts of Ontarto depend on fall honey for their winter's stores, this vould indicate that they also will be running short before opring unless the beeksepers are careful to see that they are supplied with artificial stores. The Provincial Apearist, 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 thoroughuntil fully dissolved; bring the syrup nearly to a boil again and stir in three teaspoonsful of tartaric acid preciously dissolved in half a cup of water. This makes a good thick syrup, which will make the very best of inter stores for hers

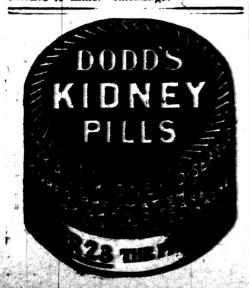
A good colony of bees vill require thirty or more lbs. di this syrup unless they are well supplied with honey. At this late date the only feeder to use for outdoor wintered bees is the half gallon fruit jars. Fill the ar, draw over the top a piece of sheesecloth, then screw down the ring holding the cheesecoth tight. The far 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 souck the honey from the cheesecloth. Air pressure will prevent the honey runing out any faster than it is taken by the bees. Five consix of these jars can be placed on the hive at once and warm packing placed around them to prevent the excape 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 token off and the packing fixed down on the hives for

The Ontario Agricultural College, Quelph, 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 + . py ... the programme.

#### FACTS FOR THE (URIOUS.

The longest stretch of railway in the world without a curve is in New Zealand, where there is a time 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 Yealand 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.

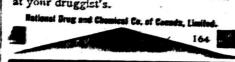
Alfalfa, perhaps the oldest of all culdivated forage or hay plants, has had a history scarce less interesting than that of the many nations which have utilised it. Those nations have prospered elmost in direct proportion to which they have used it. The name "alfalfa" comes from the Arabs and means "the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



Old folks who need something

# of the kind, find NA-DRU-CO

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



#### THE SOCIALIST'S USE.

(Rochester Herald.)

As we see it, Socialism possesses one ositive good. It is as excellent as a As we see it, Suciainan pussesses one positive good. It is as excellent as a criticism of our present social order. There is not a defect in the present social order which the lynx-eyed Socialist does not perceive. All of those defects, and tehre are many, the Socialist lays hare and bids us consider them with becoming seriousness. The man who looks for work, and goes hungry and shelterless because no work could be found, the Socialist tells us we must not More than 1,100 nomen students from the states of whom fixty are from the inited States.

Interest the states 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 exaggrates them, and sometimes confuses social ideas with individual errors. But some genuine evils that belong to our scheme of society, he lays his finger on. This is a rea! service to society.

Minard's Liniment Cures Diptheria.

. (By a Physician.)

The Rusian government is planning DISEASES CARRIED BY INSECTS.

Scarcely second in !mportance 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 That is LAXATIVE BROMO QUININE.

Look for the signature of E. W. GROVE.

Cures a cold in one Cay. Cures Grip in two days.

Se.

studied, and it is possible that scarcely more than a beginning has been made in determining what insects may act as confirm.

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. F. Gates, of the United States navy, states in a recent bulletin that on shipboard roaches, to which hitherto little attention has been paid as carriers of disease, are responsible for the spread of typhoid, diphtheria, tonsilitis and tuberculosis. 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 Arsociation, indicate that infantile paralysis may be carried by the common biting or blood-sucking stable fly.

Minard's Liniment Cures Distemper.

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 big lump of ambergris. The lump is described as "the size of a peck measure," and if that is true, these boys are lucky boys. Ambergris is more precious than gold, being worth about per:nd

Of course, the story may not be true. Ambergris is good material for romance. The poor sailor, wandering along the beach, suddenly stubs his toe on a muskily pungent mass and realizes that his fortune is made. And anybody may do All one needs is a beach. Ambergris is better than diamonds, because there is no ambergris trust, no ambergris dig-gings, no mines, no trouble of smelling. True, it isn't good for anything but to make perfumery out of-but diamonds aren't good for anything but to cut glass They are scarce, and, therefore e. And ambergris is as scarce.

Ambergris has no romantic origin. whale gets something the matter with him-indigestion, it may be, from some Jonal of the deep-and the curious alchemy of nature takes the by-product of the disorder, and makeh fabulous treasure of it. But whales are notoriously healthy and they are getting fewer every year. being subject to violent deaths than to attacks of dyspepsia. So ambergris is far to seek.

Feople used to think that this rare

substance possessed medicinal propertie. 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-raintreasure-something for a poor boy to find or to hunt for, which is just as good, in the fairyland of youth—and to be transformed by it into an Aladdin with all the genii for his slaves. Ambergris is White Magic—and some day we may all set out in search for it.—Cleve-land Plain Dealer.

PILES CURED IN 6 TO 14 DAYS. Your druggist will refund money if PA70 OINTMENT fails to cure any case of Itching Blind, Bleeding or Protruding Piles in 6 to 14 days. 50c

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

to their own profit.

This catchpenny capitalizing of iniquity cannot fail to degrade the moral standard of the nation. The confessed

DRAWS THE LINE THERE.

Father-Mabel, you might give that oung man who comes to see you in the

venings a message. Mabel (blushingly)-Yes, father. Father - Tell him that we have no obection to him 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 Prohibition 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 ie too late now, so it won't be worth while to try to catch up on New Year's eve.

Patience is sorrow's salve. Churchill. The man who is always making exsuses wastes a lot of time that he might use to advantage in making progress.

Detroit Free Press. The haugthy her was watching the pholosorer lay a carpet. "Anybody can be that," she succeed. "I'd just like to see bline try to lay an egg."

NEW BIRTHSTONES.

List Sanctioned by American Jewe ers' Convention.

While birthstones have always had their place since talismen lost sway, 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 is supposed to give its wearer presence of mind and to help them to be firm and true. The blue acquamarine is an alternate 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 illusiveness, are the gems for June. The deep red ruby, emblematic of love, the symbol for July. August has the sardonyx, indicating felicity, with the bright, sparkling Peridot as as an alternate gem.

#### HE WAS SUITE NABBER.

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

After some time the detective department received from the police commissary of a small town the following let-

"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."

# DIABETES

Sanol's Anti-Diabetes

Is the only remedy which has a record of complete cures. Price \$2.00 at most leading

THE SANOL MFG. CO., Limited WINNIPEG. MAN.

#### Farm Wagon Funeral.

The Essex squire who has been carried to his burial in a farm wagon drawn by a farm wagon team perpetuates a custom which still exists in other families and in other countries and is of very ancient or-

It typifies the intimate connection that used to exist between the landlord of the soil and the tenants. The wagon is not usually made funereal nor is the team put into mourning The wagoner walks with a bit of crepe on his whip and a black armlet to his smock, that is all-Pall Mall Gazette.

#### A WINDSOR LADY'S APPEAL

To All Women: I will send free with full instructions, my home treatment which positively cures Leucorrhoea, Ulceration, Displacements, Falling of the Womb, Painful or Irregular Periods, Uterine and Ovarian Tumors or Growths, also Hot Flushes, Nervousness, Melancholy, Pains in the Head, Back or Boweis, Kidney and Bladder troubles, where caused by weakness peculiar to our sex. You continue treatment at home at a can continue treatment at nome at a cost of only about 12 cents a week. My book, "Women's Own Medical Adviser," also sent free on request. Write to-day, Address Mrs. M. Summers, Box H. 3, Windsor, Ont.

## Accordeon Pleated Negligee.

Among the costume conceits of the season are to be noted the accordeon pleated negligees, which are made of chiffon net, both plain and embroidered, and liberty silk and satin. These garments are designed in a great variety of styles, but there is none more fetching for the woman of s,ender figure and some height than the Empire gown of pleated chiffon with an elaborate coat of lace and chifon and satin to go over it. The coat for a pale pink gown of this sort is more than half of yellow lace. It is a very much cutaway garment, with frou frou of lace cascades in front and a long tailed back that is al lace and a long tales and frills also. The sleeves are draped lace flounces and there is a wide girdle of pink satin ribbon, which has a huge satin buckle in the back.

Minard's Liniment Cures Garget in Caws.

HE UNITED STATES' OBLIGA-

(Brantford Expositor.)

The Americans as a people probably feel that they are safe against successful attacks from any quarter, and it is such knowledge that makes possible a bully-ing attitude. But it is because the Americans are a great and powerful people that they owe it to themselves to dis-charge honorably all international obligations, and to practice that which they are continually preaching to others.

#### UNIONS ARE CLEAN.

(Detroit Free Press.)

Only a small minority of union labor is tainted by the desire for destruction and bloodshed that moved the plotters in this abominable conspiracy. The great majority of the membership is earnestly patriotic, law-abiding and hones It is to these members that organized must look for its redemption from the disgrace that has come upon it.

How would you like to earn **BIG MONEY** 

in your spare time. Send your name and address to-day, and we will tell you all about it. H.O. Dept. 74 St. Antoine Str.

Began with Itching Sensation. Kept Awake at Night. Caused Great ment 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 dif-

ferent kinds of ointment to

stop the itching which did not prove valuable in the least and to my surprise 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 and later on the bleeding began to cease. I got some more and continued with the Cuticura Ointment and Soan. I began to get better sleep at night and after six weeks' careful treatment I find that I

Mar. 25, 1912. If you wish a skin clear of pimples, blackheads and other annoying eruptions, hands soft and white, hair live 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. Liberal sample of each mailed free, with 32-p. Skin Book. Address post card Potter Drug & Chem. Corp., Dept. 41D, Boston, U. S. A.

am entirely cured." (Signed) A. Bennett,

#### The Smallest Republic.

The smallest republic is not San Marina, as usually supposed, but the diminutive island Tavolara, about seven and one-half miles off the coast of Sardinia.

This island is only one and one-fifth miles wide and its whole population numbers but fifty-five. In 1836 Tavolara was granted independence by Carl Albert, and a certain Barteleoni assumed the title of king, under the name of Paul 1. He died in May, 1882. In 1886 the Tavolarians proclaimed the republic, and according to their constitution a president is elected every ten years.-Chicago Tri-

#### MINARD'S LINIMENT CO., LIMITED.

Gentlemen, -I have used MINARDS's LINIMENT from time to time for the past twenty years, t was recommended to me by a prominent physician of Montreal, who called it the "great Nova Scotia Liniment." It does the doctor's work; it is particularly good in cases of Rheumatism and Sprains. Yours truly,

G. G. DESTAN Chartered Accountant.

A NOVEL PLAN.

(Ruchester Times.) The question whether a passenger on

Halifax, N. S., Sept. 21, 1905.

a railroad train has a right to refuse to pay his fare if a seat is not provided for him has been raised from time to time. It is debatable. Circumstances beyond such control as a railroad may be reasonably expected to keep over its transportation facilities may make it occas ionally impossible to provide seats for all passengers who want to ride on particular train. At the same time, when a person buys a ticket he has right to be expected to be provided with

The simplest way to do justice to both the railroads and to the traveling public would seem to be to allow any passenger compelled to stand, a bate for every mile that he travels before a seat becomes available for his

Best Paper Pub-iished on Pouitry Culture. WANTED -- 1,600 persons to send for sample copy Free HERBERT HALL, 405 Mary St.

#### Windmills as Newspapers.

Hamfiton, Cavada

In Holland, births, marriages and deaths, instead of being recorded in newspapers, are indicated by windmills. When a miller gets married he stops his mill with the arms of the wheel in a clanting position and with the sails unfurled. His friends and guests frequently do likewise with their mills, in token of the ceremony. To indicate a birth the wheel is stopped with the arms in a slanting position, but at a more acute angle than for a marriage and with the two upper sails unfurled. Should a miller die the sails of his mill are all furned and the wheel is turned round until the arms form an upright cross in which position they are left until after the funeral has taken place.

## PROBLEM FOR THE EDITOR

It has been asked whether stepping on man's corns is sufficient provocation your toes clear of corns by using Putnam's Painless Corn Extractor, always gists, price 25c.

#### DELINQUENT PARENTS. (Montreal Star.)

child thrown on the streets is not only nourished but taught by the streets. the street standard of mortality is lower even than that of the police courts. But what is a bey to do who knows no other—evolve one out of his own inner consciousness? When he clashes with consciousness? When he clashes with the law, which is the more to blame, the law which by its laxness is responsible

iaw which by its laxness is responsible for the boy's condition, or the boy who knows the law only as a thing to be evaded and flouted, except on the rare occasions when it is to be dreaded?

Some day we will come t otalk more of the delinquent parents than of the delinquent children, and when we do, the scales of justice will balance a little of justice wil balan

BANKING IN ANCIENT EAST. There was a notable shipment of Chinese antiquities from the collec-

tion of A. W. Bahr in Shanghai to an art gallery on Fifth avenue. New fork, for exhibition. The shipment includes about 200 paintings, dating from the seventh to the fifteenth centuries, many pieces of Chinese stone and marble sculpture, bronzes, porcelains and specimens of policy. Of peculiar interest in the exhibit Pain. Thought Operation Onl before Christ to 400 A. D. and a are 200 coins dating from 1500 years Cure. Cuticura Soap and Oint- | collection of bank-notes of the "Tang" dynastv in the sixth century. These banknotes are made of a pecular kind of paper that crumbles like silk,

yet shows no crease. The system of currency was exactly the tame as that of our American bank notes of to-day. They represent of the promise to pay of private banks, and were guaranteed by the Covernment. Each bill is dated and has prised on its surface rings of a size varying with its value, so that the illiterate could not be deceived. These specimens are eloquent witness to the fondness for the beautiful and the practical activities, enterprises. and civilization of the dim centuries of the past. The ancient coins still ium of exchange. Pastoral people made iums of the past. The nations that lived by the chase used the skins of call up the various circulating mediu mof exchange. Pasteral people made their trades, counting their cattle as money. Farming nations used the products of the field as the medium of exchange, often employing wheat as money. Then came the coining of metal, of gold and of silver, and of those not so precious. It is a question whether the museums preserve. or the excavations have revealed, any coins more ancient than some among the Chinese collection on Fifth avenue. Some of them are dated almost as many centuries back of Christ as there are between us and Him who

Forty years in use, 20 years the standard, prescribed and recommended by physicians. Woman's Ailments, Dr. Martel's Female Pills, at your druggist.

held a Roman coin in His hand and

made it preach a sermon on the duty of the Christian to the state.-Christ-

ian Heraid.

#### STRICTLY ANONYMOUS.

Four or five ladies bustled into a private office the other day. "What can I do for you, ladies" asked

the manager, pleasantly.
"Why," began one of the visitors, "we are taking up a subscription, and we knew you wouldn't like it if we didn't give you an opportunit! to subscribe." The manager bowed graciously, and asked: "And the object. Of course, it is a worthy one, or you would not be inter-

ested in it. "Yes, sir," replied the spokeswoman, "we think it is a very worthy object. It s to boold a home for aged and indigent widowe

"Excellent! Excellent! I shall take pleasure in making you out a cheque."
"On, how lovely of you!" exclaimed the spokeswoman, when she received the bit of paper and read the amount-ilo, "Oh, didn't expect to get that much from u! We are so much obeiged." "So good of him!" and similar exclamations were heard as the cheque was pass-

ed around for the admiration of the said the lady, who handled the But. cheque last, "you haven't signed it."
"That is because I do not wish my benefactions known to the world," said the manager wodestly, "I wish to give the cheque anonymously," And he bowed

## the ladies out with great dignity. -Week-\$1,000

REWARD

to the discovery or whereabouts of products of tobacco which must share the person or persons suffering from Nervous Debility, Fits, Skin Disease, Blood Poison, Genito Urinary Troubles, and Chronic or Special Complaints that cannot be cured! at The Ontario Medical Institute, 263-265 Yonge Street, Toronto.

#### PREVENTING MINE DISASTERS.

The German Emperor is giving his colsest personal attention to the prevention of mine disasters and hopes by means of chemistry to find a practicable safety device. In a speech he delivered at the dedication of the chemical institute of the Emperor William Scientific Foundation, he explained that his idea contemplated a harmless chemical compound, a change in which would warn miners plainly of the danger of fire

damp. The Emperor was said to have applied mine disaster at Rochun, on August 9, repeated his reducst to the leading German scientists.

Minara's Liniment Cures, Colds, Etc.

# The Sea is Really Dusty.

When the decks of ships are rubbed and cleaned each morning great quantities of dust are invariably found. In the modern steamship this could be accounted for by the tone of carbon which are poured forth daily, but the curious thing is that the deck of the sailing ship shows a greater quantity of this material than that of the steamship. In a trip from New York for swearing. The editor advices, keep to San Francisco, occupying 97 days by sailing ship, 24 barrels of powder were swept from the deck. The capbest, painless and prompt. Sold by drug tain took extended observations of the amounts collected daily, but found nothing which assisted him to clear the mystery.—Harper's Weekly.

#### SOUTH CAROLINA'S SHAME.

(Philadelphia Record.)

South Carolina is seeking immigration. but does it imagine that newcomers will be attracted to a State where a Gover-nor, with incredible levity, sets at liberty in one day seventy-nine convicts, no less than seventeen of whom were serving life terms for irony? It is the irony of life terms for irony? It is the irony or such misgovernment that the consequences of it fall not upon the offender, but upon the people of an entire State, many of whom are making splendid efforts along the lines of progress. South Careline will survive Bleaseism, just as the line of the state of the st

### 1990 E NO. 3, 1913

HELP WANTED.

T INSMITH WANTED - MUST BE good bench hand, with working knowledge of eavetroughing and furnace work; good wages and steady work to right man. Apply H. Heather & Son Mimico, Ont.

INISHER - FOREMAN FOR BLANket mill: one accustomed to Ge nappers. Apply at once, Slingsby Mar ufacturing Company, Limited, Brantford

WANTED-KNITTERS FOR JENERS Automatic and Creelman machines.
Apply Kingston Hosiery Co., Limited Kingston, Ont.

FOR SALE.

FOR SALE-GENTLEMAN'S COONskin coat; worn three months by traveller; size 42. Cost one hun red and twenty-five dollars; will sell reasonable. 95 Sherbourne street, Toronto, Ont.

FARMS FOR SALE

100 FARMS FOR SALE-IN HAL-TON, Peel and Wellington Con ties, all sizes; buy where the land cheap and good, and bound to incre in value in the near future; farm close to school, station, post office, village town, etc. If you are int rested, write for catalogue to J. A. Willoughby, Real Estate Agent, Georgetown, Ont.

ARM FOR SALE, IT ACRES TOWN-ship of Nichol, County of Welling-ton known as the Crabbe farm, two miles from Fergus, brick dwelling and kitchen, bank barn. Terms, one-half cash, balance on mortrage, six per cent, Apply to Gibbons, Harper & Gibbons, London Optorio London, Ontario.

LIME WHICH BURNS ITSELF. A traveler in the Holy Land is said to ave recently discovered a species of combustible limestone, which makes an excellent plaster after it has been burned and air-slaked and is produced cheap.

The stone is of a gravish-black color and is found between ordinary limestone in a regular stratum. It is easily quarried, being rather soft, and has a peculiarly strong odor of kerosene.

The people break the stone into small pieces and tire it into a kiln of rough construction built of stones against a wall. Holes are left in the sides of the kiln, through which tufts of straw are stuck. These tufts are lighted with flint and steel and the lime ignites and burns itself.

It requires twelve hours to burn a kiln. and the nit is found that all the rock, except that at the top and some around the sides has been thoroughly burned. The lime produced is of a good white color, says an exchange. It burns with a black smoke and an odor similar to that of petroleum. When cool, it is airslaked and screened. The self-burning quality is accounted for by the suppose quality is accounted for by the supposi-tion that the limestone has become impregnated with petroleum in the earth.

#### How to Conquer Rheumatism at Your Own Home

If you or any of your friends suffer from rheumatism, kidney disorders or excess of uric acid, causing lameness, backache, muscular pains; stiff, painful swollen joints, pain in the limbs and feet; dimness of sight, itching skin or frequent neuralgic pains. I invite you to send for a generous Free Trial Treatment of my well-known, reliable Chronicure, with references and full particulars by mail. (This is no C. O. D. scheme.) No matter how many may have failed in your case, let me prove to you, free of cost that rheumatism can be conquered. Chrocure succeeds where all else fails. Chy icure cleanses the blood and removes cause. Also for weakened run-down condition of the system you will fin Chronicure a most satisfactory generationic that makes you feel that Brownerth living. Please tell your friends this liberal offer, and send large free prokage to MRS. send to-day

MERS, Box E. S. Windsor, Ont. IT ISN'T NICOTINE.

But Furfural, That Makes Cigarettes Harmful.

(By a Physician.)

The consideration of tobacco and its dangers has heretofore been largely based on the amount of nicotine contain-For information that will lead ed in the smoke. But there are other the responsibility. Among these are carbon monoxid gas, prussic acid, fur-

fural and some others. Although all of these compounds admittedly are poisonous, their danger depends on the quantities in which they are taken. Recent investigations have been made of some of these toxic produets, an dthe results are of consider-

able interest. The fact that the action of certain kinds of tobacco has been attributed to the prussic acid in their smoke has induced the Wurzburg pygienist, Prof. K. B. Lehmann, to investigate the charge. He has found that the amount of this compound produced depends somewhat on the rate at which the tobacco is smoked. The slower the current of air through the eigar, the smaller is the amount of prussic acid formed. The entire amount, found, however, is too

small to account for the effects. So far the burden of the blame for the ill effects of smoking would apto the technical schools of Germany for pear to rest on nicotine. Investigations suggestions in this direction after the made by the London Lancet indicate that the ordinary cheap cigaret conwhen 103 men were killed. He has now tains the least nicotine in the smoke and the pipe the most, the cigar occu-

pying an intermediate position.

Assuming, then, that nicotine is the essentially injurious substance in tobacco, the eigaret would appear to be the least harmful form, provided that the amount of tobacco consumed was no greater in this form than in others. The general impression, however, is nicious form of indulgence in tobacco.

This might be accounted for in part by
the facts that the form of the cigar te makes it possible for young persons to indulge in it when they would not smoke cigars or pipes, that in older persons it lends itself to over-indulgence and that the smoke may be inhaled with less irritation, and, therefore, that more of the products may be absorbed into the

system. Further investigations indicate that the most injurious forms of smoking are not those in which nicotine prevails, but those in which there is

larger proportion of furfural. Furfural is about fifty times as poisonous as ordinary tobacco. There is a probability that the least harmful tobacco will turn out to be that which vields a minimum of furfural in smoke.

Although the amount of nicotine pres ent in the cheaper grades of digarattee is practicable negligible, the amount of furfural appears to be sufficient in itself to account for the bad effects attrib to cigarette-smoking.