

At the coronation of Edward VII, the duke of Norfolk will be the "stage manager." His ancestors have been masters of ceremonies at all coronations for centuries. He is entitled to a drinking cup of pure gold, either from King Edward or somebody else.

The New Hampshire legislature will be asked for an appropriation for the erection on the Capitol grounds of a statue of Franklin Pierce, the only New Hampshire man who has been president of the United States. The body of Mr. Pierce rests in Concord, in the old North Cemetery.

William K. Vanderbilt has ordered a new automobile in France that will be nearly 50 per cent more powerful than his famous "White Ghost." His present machine has a road record of fifty-five miles an hour, but the new one will be of forty-two horse power, and able to go at a rate of seventy-seven miles an hour. It will cost \$12,000.

A Philadelphia judge is reported as having a most excited idea of the importance of his court, for he fined a physician for contempt because, being a witness, he had kept the court waiting half an hour, while at the bedside of a patient so ill that he could not safely be left. Said the judge: "It is better that a patient should die than that the court should be treated with contempt."

Mrs. Elizabeth Lidy, 80 years old, six times married and five times divorced, has been adjudged insane at Petersburg, Ind. She began her matrimonial ventures while still a girl, and she continued through life discarding one husband after another, hopeful that she would find an ideal one. A commission decided that this hopeless ambition was evidence of insanity and ruled accordingly.

A "New-Laid-Egg Society" has been organized in England. In furtherance of its object collecting depots are being established at various points. The formation of such a union not only suggests the almost universal propensity of human beings to increase the varieties and numbers of societies, but it testifies forcibly to the fact that restlessness in an egg is a form of new-richness which sarcasm spares and good sense welcomes.

A man named Chandoux has just hanged himself at Nevers, France. The circumstances of the suicide are in no way extraordinary except for the fact that the man was the fifth husband of a woman, all of whose previous husbands came to a violent end. The first hanged himself, the second perished in a fire, the third drowned himself, and the fourth and fifth have both been found hanged, and in each case, strangely enough, on a pear tree.

On the Inter-oceanic railway of Mexico a part of the track has been laid on ties of jarrah wood imported from Australia for this purpose. The jarrah wood is obtained from one of the largest trees of the forests of Australia, which grows to an average height of two hundred feet, and is about four feet in diameter at the trunk. There is usually an interval of 150 feet to the first branch. These trees furnish timber which is sound in every respect, there being an absence of dry rot, gum veins and other defects that often characterize large trees.

"I've kep' school," said a Kentucky mountaineer, whose eyes were opened by a visit to Berea college, "but I can't say I've ever taught." With more adequate provision for training and an ever-rising standard of qualification, the pedagogical profession is taking on new dignity and power. All the more important is it not to rush things, for the finest results must depend on full ideas of vitality. In twelve states associations of teachers met during the recent holidays. Schoolroom work is wearing to brain and nerve, and it is open to question whether it is wise to pack the vacations with shop-work, however attractive or handsomely done.

The peanut seems to be playing the part of "civilizer" in some of the foreign possessions in tropical Africa. Traders give a negro a bushel of nuts for seed on condition that he returns four bushels from his crop, and since the yield in good years is twenty-fold, the black man generally has a surplus which he can sell at the rate of a shilling a bushel. From a single station in Senegambia there were shipped, in 1905, twenty-three thousand tons. Small boys and scientists have long been in agreement touching the value of the peanut; now statesmen also will have to do it honor, since it seems likely to lead the native African into the paths of agriculture.

The superior quickness of American fishermen was strikingly illustrated not long ago, when a number of them were sent to Europe with a shipment of American lures. With previous experience only a few hours and his lures had been used, a fish boat was called upon for all the work of the day, and the lures were used in the evening. Small cheer and great welcome makes a merry feast.—Comedy of Errors.

SCIENCE AND PROGRESS



PREVENTION OF MOUTH-BREATHING.

In a former article we considered some of the evil effects of mouth-breathing, and saw that it resulted in injury to the entire respiratory system as well as in actual deformity of the bones of the face. The cause of mouth-breathing is of course anything that interferes with the free passage of air through the nostrils. Thus in the early stage of an ordinary cold, the membranous lining of the nostrils becomes swollen, the nose becomes "stopped up," and the sufferer must breathe through the mouth, to his added discomfort. This is only temporary, yet it is by no means unimportant, for while it lasts it exposes one to inflammation of the tonsils, throat and lungs through the inhalation of cold and unfiltered air.

Of greater importance, however, are the causes of habitual mouth-breathing, from which so many children suffer. The most common of these is a collection of glandular tissue in the pharynx, and whenever a young child is seen to breathe habitually with open mouth, an examination of these growths should be made.

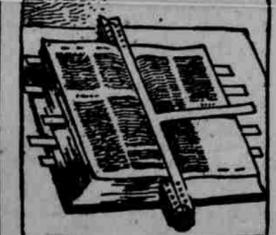
Physicians some times hesitate to remove them, for they say they will probably disappear as the child grows older; but they may not disappear, and even if they do, it may be only after permanent damage has been done to the child. They ought always to be removed when they are voluminous enough to obstruct nasal respiration.

A somewhat less common cause of habitual mouth-breathing is the presence of enlarged tonsils—a condition which may or may not coexist with that just mentioned. These also will probably grow smaller as the child grows larger, but it is far better to remove them at once, before irreparable damage has been done.

Less frequently the nostrils are obstructed by growths, known as polypi, from their lining mucous membrane. The treatment of most of these conditions is simple, but as it can be carried out only by the physician, it need not be discussed here. The aim of this article is to urge the necessity of seeking medical advice for any one, child or adult, who habitually breathes through the mouth, in order that more serious trouble may be averted.

AUXILIARY BOOK GUIDE.

It does not often occur that an inventor takes it into his head to lighten the labors of the student or applies himself to anything pertaining to books, but herewith is presented a practical idea which will be much appreciated by the bookworm. Its object is to provide a simple and convenient guide to be inserted in books for affording more ready access to references or articles of comment contained in different parts of the book and relating to the same subject, enabling the reader to turn directly to the passage desired. The manner of using the guide is as follows: The reader having found the main object sought in the book places the first index slip in that part of the book containing the nearest reference to the subject, and



REFERENCE MARKER FOR BOOKS. Inserts the companion slips, with their index numbers or marks in consecutive order, in the different portions of the book containing sequential references to the subject. After the slips are thus placed the projecting ends at the top and bottom of the book are laced together to confine them in their place in the volume and convenient for future reference.

LONG BALLOON FLIGHTS.

The balloon races and contests conducted in connection with the Paris exposition were productive of some very interesting results. Every Sunday the spectacle was witnessed of a large number of balloons starting on their journey. "One afternoon," says Mr. A. Lawrence Roth, "seventeen balloons rose successively, each aeronaut endeavoring to land as near as possible to some point that he had fixed beforehand. By taking advantage of the various air-currents and skilfully manipulating the guide-rope, surprising results were obtained. One aeronaut, after traveling thirty miles, landed within half a mile of the goal he had set out for. The greatest height attained by any of the balloons was 27,000 feet. In the long-distance race six balloons started, and three of them landed in Russia. About 1,400 miles were traveled in thirty-seven hours.

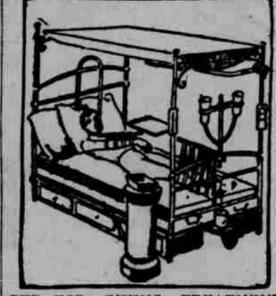
OLD-BREWING BACTERIA.

Some time ago Dr. Allen MacLachlan and Mr. Sydney Rowland reported to the Royal Society that the temperature of the soil in the neighborhood of London is not so appreciably different from that of the air as was

isms exposed to it for a week. Recently they have presented a supplementary report showing that bacteria subjected to the temperature of liquid hydrogen for ten hours show no alteration as regards vitality. The temperature of liquid hydrogen, they say, is about one-quarter that of liquid air, just as the temperature of liquid air is about one-quarter of the mean temperature of the atmosphere. The result is obtained by considering that liquid hydrogen is about 20 degrees centigrade above absolute zero, liquid air about 80 degrees above, and ordinary air, on the average, about 300 degrees above.

COMPLETE HOSPITAL OUTFIT.

The illustration shows a specially constructed bed adapted for use in hospitals, provision being made for treating numerous diseases and also for surgical work. A cooling tank is provided which contains ice and water, and this can be brought in proximity with any portion of the body, while the remainder is given hot treatments by other appliances. The special function of the cooling tank is to regulate the temperature of a pyretic or febrile patient—as, for instance, in spinal meningitis, pneumonia, typhoid fever and all forms of eruptive diseases, where bodily temperature plays such an important role. In spinal meningitis and typhoid it may be necessary to apply heat to the spinal column and



BED FOR GIVING TREATMENT.

neck of the patient to produce muscular relaxation, while the general temperature is reduced by the application of the cooling apparatus to other parts of the body. The mattress of the bed is adapted to be inflated with hot water or air, and in order to maintain the water at the required temperature the mattress is connected with the water heater in proximity to the bed by means of a pipe. It will be noticed that supports for a fractured arm or leg are also provided, as well as a thermometer, writing tablet, holder for medicine glasses, etc.

THE TELEPHONOGRAPH.

This is a combination of the phonograph with the telephone, intended to record a telephonic message on a wax cylinder at the receiving end of the telephone line. The record is made by the undulations produced by the sound waves. From the impressed cylinder the message can be retransformed into spoken words by the ordinary method of a phonograph. The usefulness of the instrument depends upon the fact that by its means a message can be sent when the intended recipient is absent. Upon his return the latter can set the phonographic apparatus going and listen to the message at his leisure.

SCIENTIFIC JOTTINGS.

Zeppelin's Air Ship Does Well. Count von Zeppelin's air ship has made several successful trips at the Lake of Constance. Supported by its huge cigar-shaped balloon and driven by its fan-wheels, the air ship was able to make headway against a light breeze, but has not always succeeded in returning to its starting point, a feat that it accomplished on its first trial last summer.

Dimming of Eyeglasses.

Constant wearers of eyeglasses, spectacles, etc., are much annoyed by the dimming of the glasses upon entering a warm room from a cooler place. It will greatly interest them to know that this evil can be obviated by rubbing the glasses with soft soap. All that is necessary is to rub every morning or before going out a little so-called green soap (washing soap, potash soap) over the whole surface of the glass, polishing it until it is bright again.

Electric Alarm Clock.

An electric time alarm which has been patented lately had at least one novelty to recommend it. It is directly connected to the bed, and it is impossible for the sleeper to stop it until he gets up to stay. Underneath the bed is a series of contact points, the weight of the person forcing them together. A clock is used in connection with the apparatus, and as soon as the hour of rising is indicated the remaining opening or break in the wire is closed, the current passing through the contact points underneath the bed and causing the bell to ring continuously until the sleeper, by leaving the bed, breaks the circuit. Should he lie down again, the circuit is again completed and the bell rings until the second rising.—Electricity.

PROSPEROUS MEXICO.

EX-SECRETARY FOSTER TELLS SOME TRUTHS.

Says That There is No Sign of Pauper-Fear of the Gold Standard is All That is Troubling the Happy Masses of Our Sister Republic.

In a letter to the New York Tribune Hon. John W. Foster, former secretary of state, gives an interesting account of the existing conditions in Mexico. That republic has made great progress during the past twenty years and today is one of the most prosperous of nations. It is also one of the most wisely governed countries. Mr. Foster notes that there is everywhere evidence of peace and security to persons and property. In this respect the country has undergone a complete transformation within the last quarter of a century. There is relatively far less violence and outlaws in Mexico than in the United States, and Mr. Foster says that in few countries of the world is better protection afforded to persons and property.—Omaha Bee.

Mr. Foster wouldn't have written this letter before the presidential election and if he had the Bee would not have published it. How can Mexico be prosperous on the silver standard? We are told that our prosperity comes from the gold standard and that without it times would be hard and the people would suffer. How then can Mexico be prosperous without any gold? Is it possible that the Republicans were lying to us? Mr. Foster says that Mexico is one of the most prosperous of nations—that there is less outlaws and violence than in the United States. It is also one of the best governed nations in the world. How can that be when it has neither a gold standard, a Republican party or a Mark Hanna for ruler?

If the United States is prosperous under the gold standard and Mexico is prosperous under the silver standard, there must be some other cause than the kind of money that has produced that prosperity. Fifty years ago Mexico was not even a half civilized country. It was far inferior to the present condition of the Philippines. Yet now it is an enlightened, well governed, peaceful and prosperous nation. If we should give independence to the Philippines, what is to prevent their becoming just such a nation as Mexico in a few years?—Nebraska Farmer.

A PRIVATE MONOPOLY.

Standard Oil shows confidence in the recent railroad consolidation by declaring a quarterly dividend of 20 per cent on its capital stock of one hundred millions. There was also a material advance in the speculative price of the stock, and it is now selling at 1,400 per cent premium—its actual stock of one hundred millions is now quoted at one billion five hundred millions. Who dares to say now that prosperity has not come to this afflicted people? Standard Oil is worth fifteen dollars for each one invested and derives an annual income of \$50,000,000 besides. Who ever heard of such wonderful prosperity? It is true that these immense profits are not very equally distributed among the people, and millions still continue to work at a dollar a day. The readers of the Nonconformist are no richer because Mr. Rockefeller has piled up many additional millions, but of course they will rejoice in that he has given it to him in answer to his fervent and believing prayers. Of course we all rejoice in the nation's prosperity as manifested in the rapidly increasing wealth of the Standard Oil company, but some of us would like it better if that eighty millions a year could go to 75,000,000 of people instead of going to one man.

We trust that the people will appreciate the benefits of co-operation when they see how successful it has been in the hands of Rockefeller, Morgan and Carnegie, and that they will soon be ready to go into co-operation on a still larger scale by combining all the people in one great business enterprise that will swallow up all the present combinations and co-operate together for the permanent good of all the people. The big dividends of Standard Oil, the combination of great railroad corporations and the union of iron and steel into one mighty trust ought to prepare the public mind for the people's universal trust, otherwise known as socialism.

APPLIED CHRISTIANITY.

Thousands of people have died and thousands more are on the brink of death by starvation, in a single province of China. This does not seem to disturb the Christian people of Europe and America. Not one dollar has been raised for their relief—not one Christian minister has raised his voice in their behalf. They go down to death unaided, unwept and unlamented. How different it was in the case of the famine in India. Every church in the land was calling for contributions to assist the subjects of England's greed. Our charity was not due in that case, but it was freely given. England should have fed her own subjects and not played the part of pauper before the world. This Chinese matter is different. These poor people are perishing helplessly and there is no aid for them in all the wide-world. Christian nations have destroyed Chinese cities, have looted Chinese homes—have desecrated churches, raided temples and profaned the cemeteries of the dead, but have not contributed one single dollar to save a hapless people from

starvation. This is not a favorable showing for 1909 years of applied Christianity. Christ should come again. There is much work in the world still left for him to do.

LESSON IN TAXATION.

Here is the funniest thing in reference to taxation that ever happened. Some of our rich men are actually paying something towards the support of government, but it is the British government instead of their own. When Britain was hard up she borrowed money in the United States and gave her bonds to our millionaires. This money was used in the war against the brave burghers of South Africa.

Now the holders of those bonds have been notified that they must pay five per cent income tax to England on their holdings. They are kicking like bay steers, but it will do no good—they say they won't stand it, but they will have to stand it—even the supreme judge with a changeable mind can't help them—the income tax is deducted before the interest on the bonds is paid and there you are—the Englishman makes no mistakes in the collection of taxes.

The holders of the bonds will not feel as bad as if their money went to the support of their own government—the whole thing is so thoroughly English, you know. Great Caesar's ghost, but isn't it funny? The men who killed the income tax in America are compelled to pay an income tax to a foreign country. That isn't the worst of it, either—they are made to pay a tax on government bonds, which in this country are considered too sacred to tax. The income on these bonds owned by America is about ten millions a year—five per cent on that income is \$500,000 a year, which American patriots are paying to assist in subjugating the patriots of South Africa.

The British rulers are as wise as the American common people are foolish. The former extend their taxation tentacles to the uttermost parts of the earth, while the latter refuse to tax billions of dollars of income here at home that has actually been stolen from their own coffers. What fools we mortals be—especially we American mortals who do the voting in this country. For God's sake save a place for all of us in the benevolent institutions for the weak-minded.

PROF. HOWARD.

Prof. Howard, the latest Leland Stanford martyr to untamed speech, instead of seeking an asylum in the Nebraska state university will remain in San Francisco to complete a book on which he has been working. This shows lamentable lack of foresight in thus throwing away the opportunity of a lifetime to take advantage of the free advertising achieved by his unenviable notoriety.—Omaha Bee.

GLORIFYING CARRIE NATION.

The New York plate glass insurance company, one of the largest in the country, has sent its Kansas agents instructions to amend their policies on glass in all joints, saloons, and drug stores to protect the company against loss by Mrs. Carrie Nation and all members of the Women's Christian Temperance Union.—Press Dispatch.

Many contracts are made, conditioned that the contracting party is not to suffer from loss resulting from "the act of God on the public enemy." The plate glass insurance company now adds another clause which reads something like this: "Provided always that this company shall be held harmless from all acts of Mrs. Carrie Nation and the other members of the Women's Christian Temperance Union."

ANOTHER TURN ON WIRE.

Not satisfied with its earnings of nearly \$5,000,000 last year, the wire trust has decided to advance the price of its product \$2 a ton. When a trust wants more profits it knows how to get them.—Cleveland Leader.

The way the trust gets additional profits is by electing one of its bond servants to the office of president of the United States and then it can do exactly as it pleases for four years longer. The trusts elected the president in 1900 and now they raise prices with none to molest or make them afraid. For the coming four years the trusts will be the absolute rulers of the American people and their actions will be a proper punishment for the ignorance and versatility of the voters.

The Kaiser and the Sergeant.

Emperor William's kindness of heart is well known and recently at the parade at Stettin he gave proof of it to a former sergeant of his under whom he had served when he was crown prince. He recognized the veteran standing among the crowd of spectators and he chatted pleasantly with the man and then dispatched an orderly to bring a horse for his former sergeant that the latter might be able to ride about and see the review at his ease.

Carrie's Sharp Reply.

Several invitations of a more or less farcical nature have been sent to Mrs. Carrie Nation regarding a New York visitation. The latest was a suggestion that she try her hand at reforming the Four Hundred, reference being made to the burlesque saloon smashing act at Senator Clarke's valentine ball. She replied, "The society people of New York probably need reformation as badly as any class of people in America, not excepting saloonkeepers. If they want to burlesque me when I am trying to save men's souls I do not care. They had better employ their time driving vice out of their own city."

What Will the Girls Get?

An Englishman who recently died had three children, one son and two daughters, and he mentioned all of them in his will. The first clause is, "I leave my piano to Mary Elizabeth when Arthur has done with it." The other clause is, "To Susan Jane—she may take whatever Arthur wishes to give her." There is no doubt of Arthur's standing in the document, but the pointed question is raised, "Are Mary Elizabeth and Susan Jane beneficiaries under the will?"

AFTER EIGHTEEN YEARS.

Mrs. Doty, of Highland, Iowa, Restored to Health—A Miraculous Case—Her Husband is Cured of Bright's Disease by Same Means.

Highland, Ia., March 4.—(Special.)—Friends of Mrs. W. H. Doty are very much pleased to notice the wonderful improvement in her condition. For eighteen years she has been a sufferer from rheumatism, and the torture she has endured during this time is past all description. Mrs. Doty tells the following story:

"I have suffered for the past eighteen years with Kidney Trouble and Rheumatism. I have tried doctors, patent medicines, plasters, liniments, electric treatments, and nothing did me any good. I had nearly lost all faith in anything, when I sent for six boxes of Dodd's Kidney Pills. I said to my husband I expected that it was some more money thrown away, but when I had taken them a week I could see that they were helping me. The lameness I had suffered with for so long is nearly all gone. It is not a quarter as bad as it was. For years I had to wear a warm bandage around my forehead to prevent the pain. Since using the Pills I have been able to remove this altogether.

"I cannot find words to express my heartfelt thanks to Dodd's Kidney Pills for their wonderful cure of my case. My husband has suffered from Kidney Trouble for years. Last spring a doctor said he had Bright's Disease, and treated him, but he received no benefit, and he kept growing thinner and weaker all the time. When I got Dodd's Kidney Pills he commenced taking four a day. He has taken them three months and is nearly well. His strength is increased, and the improvement in his case is almost miraculous. Dodd's Kidney Pills have certainly been a God send to us."

It is just cases like those of Mr. and Mrs. Doty that have made Dodd's Kidney Pills so very popular in Iowa. They are 50c a box, six boxes for \$2.50. Buy them from your local druggist if you can. If he cannot supply you, send to the Dodd's Medicine Co., Buffalo, N. Y.

Commendable Crusade.

Under the headline, "Bounce the Blabbers," a Cedar Rapids paper makes vigorous protest against the chattering who disturb theater and lecture audiences. It offers a reward of \$5 to the first usher who will "go after such idiots in the proper manner," and refers to one of them as having a mouth that "would be a profitable enterprise if turned into a windmill."

The prominence achieved by Garfield Tea as a blood purifier has not been equaled by another remedy; an improvement in the complexion can be seen after a few days' use.

We only profit in the measure we have ennobled self.

GENUINENESS NEEDS NEITHER INTRODUCTION NOR LAUDATIONS.

Try Grain-O! Try Grain-O! Ask your grocer to-day to show you a package of GRAIN-O, the new food drink that takes the place of coffee. The children may drink it without injury as well as the adult. All who try it, like it. GRAIN-O has that rich, nutty brown of Mocha or Java, but it is made from pure grains, and the most delicate stomach receives it without distress. The price of coffee, 15c and 25c per package. Sold by all grocers.

It is from our failure we gain our greatest strength.

Ask your grocer for DEFIANCE STARCH, the only 16 oz. package for 10 cents. All other 10-cent starch contains only 12 oz. Satisfaction guaranteed or money refunded.

Who has not braved the danger cannot boast of courage.

Drugs have their use, but don't store them in your stomach. Hermann's Peppermint is the natural remedy to perform their functions. It is best to lean against a falling wall.