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Save all cancelled postage stamps of every kind and country and send them to Rev. P. M. Barral, Hammonton, New Jersey. Give at once your address, and you will receive with the necessary explanation a nice Souwenir of Hammonton Missions.

## SCIENTIFIC GOSSIP.

SOME OF THE LATEST DISCOV ERIES OF IMPORTANCE.

How Expensive Wine Can Be Counterfeited-Color and Sound, and Their Remarkable Associations-New Use for Cottonseed Oil.

Doctoring Wine.

It is related by the British consul at Cadiz, Spain, in illustration of the perfection with which natural wine can be imitated by modern chemical methods, that he and a friend, visiting one of the native sherry cellars there, were given two samples of wine to drink which seemed to be almost identical; and were told that one was a natural product and very costly (\$250 a bottle), while the other was a manufactured product, the market price of which was only a few cents a bottle. In making the imitation, the natural product is first analyzed, and the chemist, ascertaining the exact nature of its constituent parts, is able to combine them and thus nearly reproduce the original compound.

New Use for Cotton Seed Oll. A new coating for the protection of metalwork and woodwork from the effects of the weather or of water is based on the adaptability of cotton seed oil to unite with lead. Melted lead is poured into cotton seed oil under continual stirring, and the mixture is allowed to cool. When the oil is poured off the lead will be found at the bottom. but reduced in weight by the absorption of a part of it in the oil. The operation is repeated, with the lead left at the end of each trial, five times. When cold, the oil has the appearance of thick varnish, and is ready to be applied with a brush or a sponge. This coating unites quickly and firmly with any material.

Color and Sound.

A vivid sketch was given by Prof. Gruber of Roumania, in the International Congress of Experimental Psychology, of remarkable associations of color and sound which he had been observing for many years. To a small number among his best educated patients the sound of the vowel e was accompanied by a sensation of yellow color, of i by blue, of o by black, and so on through all the Roumanian vowels and diphthongs, and to some extent with numbers. The same color was not always induced by the same sound in different persons, but the observations had been carefully tested.

Bread and Fine Flour.

by Sir James Crichton Browne as one of the causes of the increase of dental cares. Failing to eat as large proportions of bran as our ancestors did, we are deprived to a large degree of the fluorine which they contain. The enamel of the teeth has more fluorine, in the form of fluoride of calcium. than any other part of the body. Fluorine might, indeed, be regarded as of this structure, the hardest of all anithin and inferior enamel.

Trolling With Live Bait

The improved fishing device shown in the accompanying illustration, and which has been patened by Mr. Henry J. Walsh, is designed to keep the bait used alive for an indefinite period.

The hooks, instead of being attached to the line in the usual way, are white, and are secured by a swivel and white wire leaders to an annealed, flanged, flint glass tube, through which the water circulates, and in which is held a live minnow, or other living bait, the



glass magnifying the size of the fish in the tube, and its effects being such that, at a distance of a foot, only the

half fish in the tube is seen by the fish in the water outside, the hooks escaping observation, says the Scientific

and one in the cap closing its rear provides for a free circulation of water through it, so that one small bait fish may last for a day, the fish being inserted in the tube by unscrewing the rear cap. It is said that this device has been successfully employed in catching muskallonge, pickerel, pike and bass, being equally adapted for taking either salt or fresh water game fish, whose natural bait consists of small fish.

Galileo at Padua.

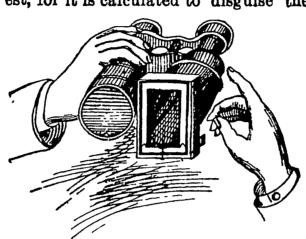
The celebration of the three hundredth anniversary of the beginning of Galileo's labors as professor in the University of Padua, Dec. 6, 1892, was attended by the Americans, Prof. William James of Harvard and Prof. Allan Marquand of Princeton. The commemorative oration was by Prof. Antonio Favaro, who has been for fifteen years a student of Galileo, and is editor of his works, He spoke chiefly of Galileo at Padua. He was followed by about a dozen of the foreign delegates and

some of the Italian delegates. University honors were conferred upon seven foreign scientific men, representative of their seven nations, including Prof. Newcomb. Besides some memorial works published by the ancient Academy of Padua, and by the university, the students of the university are about to issue a collection of documents relating to the sojourn of the philosopher at Padua.

The Sanitary Exhibit.

The program of the sanitary exhibit to be held in connection with the Chicago Exhibition defines its purpose to be to show as adequately as possible the position in which the theory and practice of hygiene stand at the present day. The program itself is a full one, and includes classes of physical exercise, alimentation, hygiene of dwellings, hotels, lodging-houses, etc., public baths and lavatories, and numerous other features entering into the detail of hygienic management.-In connection with this subject we notice a paper on "Typhoid Fever in Chicago," by William T. Sedgwick and Allen Hazen, in which the disease is shown to have increased in the city at a fearful rate within recent years. The cause of the increase is attributed to polluted water supply, which efforts are now being made to remedy.

An Ingenious Device. Among the various aparati that have from time to time been invented to abet instantaneous photography, the opera glass camera is one of the cleverest, for it is calculated to disguise the



AN OPERA GLASS CAMERA. purpose more thoroughly than any other camera device. The ocular objective lenses have been taken out, and replaced with two small aplanatic object glasses with equal focus. One of the chambers contains a sight glass,

attached to the other chamber. It works in every other way like the latest improved cameras.

while the square or round box can be

Stoves Without Flues. There has recently appeared a fresh illustration of 'what knowledge is of most worth" in the dangers that come from the pitiful ignorance of the simplest facts of science still prevailing White bread and fine flour are named | among presumably well-informed per-Certain "patent fuels" have been put on sale to be used in stoves without chimney connection, and are advertised as being entirely harmless. The natural result has followed. Gullible merchants, ministers, and even doctors have been buying them and nearly smothering themselves or their friends with the gases which must result from the combustion of any form of carbon. the characteristic chemical constituent | The makers of these fuels state that ventilation is required with their appamal tissue; hence a supply of fluorine, ratus, but their customers reason, Why while the development of the teeth is let in the cold air if the fuel is harmless, proceeding, is essential to the proper as stated? or they imagine that one formation of the enamel, and any de- opening from a room into a hallway seficiency in this respect must result in | cures "ventilation." Probably most of the victims of the patent fuels have read about the process of combustion, but they have not learned its nature from experiments that would make this knowledge real to them. Their education has been of the antiquated but not yet abandoned kind which substitutes the study of books for the study of things. As an explorer who tries to cross a deep river, is drowned if he cannot swim, so any one who lives in the present age, when natural forces are being put to service as never before, is badly off if he does not understand how to use these forces without letting them overwhelm him. Science is doing many wenderful things in these times, but its achievements always consist in employing the laws of nature, never in circumventing them.—Popular Science Monthly.

The Longest Balloon Voyage.

The longest balloon ride on record is described by M. Maurice Mallet, in L'Aeronaute. It was from La Villette, Paris, to Whalen, in central Germany, and occupied thirty-six hours and ten minutes, from October 23 to the morning of October 25, 1892. The flight was disturbed by snow in the upper regions of the atmosphere, which melted in the lower. During one of these descents, the balloon, as is characteristic of the border land, was stopped and examined by a Prussian guard, who had galloped after it for a considerable distance.

White Flies.

On the reopening of an old mine at kindly: Bangor, Cal., a few months ago, flies An opening in the front of the tube were found in a dry slope connecting two shafts, all white except the eyes, which were red, and a white rattlesnake was killed. The animals had lived in the dry passages, where they had been supplied with air but not with light. A few of the flies, exposed to light in a glass case, recovered their proper color within a week.

A Screw Wheel Balloon.

A large dirigible balloon, intended to make headway against air currents of twenty-eight miles an hour, is being made in France. It will be similar in form to the La France of 1884-'85, but larger-230 feet in length and fortythree feet in . , greatest diameter. It will weight sixty-six pounds per horse power, and will be propelled by a screw in front with a rudder behind.

No Increase.

Winks-The Daily Boomer claims to have doubled its circulation this year. Jinks-Don't believe it. The Boomer hasn't been a bit wickeder this year than it was last.

IN MEMORY OF LESTER JAGGER.

.We looked upon thy calm, sweet sleep And said: Ah, wherefore should we ween? Why mourn because thy work is done. The crown by thee so early won?

Thy life was brave and true and fair; Thou hadst not learned the word despair; For thee was love in every breast: Thy life, and e'en thy death, was blest.

O soul so full of music sweet, What harmonies thy coming greet; For us the sound of sobs and tears, For thee the songs and welcome cheers. But ye, within your home teday,

Whence all that's bright was borne away, What can I say to give relief, Or help you in your bitter grief? Your heart's wild anguish well I know,

They seem a mockery to your pain. But, father, in your face, to-day: I saw a look which seemed to say, "A stronger arm is round me thrown.

You reel beneath the heavy blow:

And words to help you all are vain.

I bravely bear, but not alone." Ah, mother, with your love so true, No power is mine to comfort you, For, as our pastor said today, "Man cannot help you; let us pray!"

TAKING HIM DOWN.

-V. J. Ruppert in Rochester Post-Express.

"Now, Miss-er-er-Miss"-"Fosdick."

"Thanks, very much! Now, Miss Fos-

My name, Miss Fosdick, is Hipple." "Yes, Mr. Hipple," the girl replied

"In the first place," Mr. Hipple went on, leaning back in his chair so as to expand his chest to its utmost capacity, and and twisting the ends of his mustache both hands as he spoke; "in the first place, I always insist on my stenographer's taking me down verbatim et literatim. I suppose you know what that means. It's Latin," he added condescendingly.

"Yes, sir." "Well, Miss Fosdick, I have had the house's correspondence in my hands for several years, and the Messrs. Poplin have come to rely implicitly upon me. Indeed I do not really see how this depart ment could move along without me."

The girl's gray eyes looked at the indispensable clerk with an amused twinkle.

"I think I can say, Miss Fosdick," the young man proceeded as he settled himself more comfortably in his chair, "and I think I can say it without the slightest egotism or desire to boast, that I have made the letters of Poplin & Son famous throughout the business world as models of English composition and ornate dic-

The clerk watched the countenance of his new assistant closely to note the

Miss Fosdick nodded understandingly and smiled. It was a sweet smile, for she could not smile any other sort had

"Those are the reasons why I always insist on absolute accuracy on the part of my stenographer. I do not permit even the alteration of a single word or any other change whatever. I trust you apprehend me clearly."

'Quite so, Mr. Hipple.'

"Then we will begin." Mabel Fosdick's first day's work was perfectly satisfactory to the hypercritical correspondence clerk. He found himself taken down with unvarying accuracy. In the transcribed letters, too, the words were all spelled correctly. She never struck the wrong character on her machine—a fault so common among typewriters, and one which sometimes helps to make typewritten communication resemble Egyptian hieroglyphics.

The firm of Poplin & Son had been served by a masculine typewriter, but the style of the correspondence clerk had become too oppressive for him, and he had resigned.

This was exactly what Mr. Hipple wished, for he longed for a typewriter with laughing eyes and golden hair upon whom to lavish his flowers of language such a being as he had read about in the funny papers.

At last he had found one to suit him. after much examination of applicants, in the person of Miss Fosdick.

Everything went on with apparent smoothness for about a month. The members of the firm noted with approval the modest demeanor of their new typewriter, and the other male clerks in the establishment envied Hipple his pleasant duties.

One day the elder Mr. Poplin sent for Miss Fosdick to come into his private

"Sit down, please," he said when she arrived. "I have here a letter from my friend Mr. Shaw, of Shaw & King, who says that a communication from this firm contains much irrelevant matter."

Poplin looked over his glasses at Miss Fosdick and found her blushing, with her eyes cast down. He asked, not un-

"Did you write a letter to that firm "Yes, sir."

"Then you know its character?" "Yes. sir." "What have you to say about it?"

dictated it, sir." "So I supposed after reading it; but is it not rather unusual to insert in letters extraneous remarks made during dictation?"

"I wrote it down just as Mr. Hipple

"He has always insisted on being taken down verbatim et literatim, sir, the pretty typewriter went on with some confusion, "and really, sir, Mr. Hipple has annoyed me so much with his attentions and has refused to desist that I felt I must do something to crush him. I'm sorry I took the method I did-I oughtn't to-oh, dear, what shall I do?" And Miss Fosdick put her dainty cambric handkerchief to her eyes, and her speech dissolved in tears.

"There! there! my dear girl, don't cry," said Mr. Poplin soothingly. He took her hand to assist in the comforting operation and placed her head

on his fatherly shoulder. He was not too old to make mental note of how long her lashes lay on her rosy cheeks, and how dewdrops of tears oozed through.

"What am I doing?" Mabel exclaimed as she bethought herself of the picture she and Mr. Poplin would present if any one should come into the office, and she promptly raised her head.

"You did just right," said Mr. Poplin. referring to her treatment of Mr. Hipple. "The presumptuous rascal! Never mind, little girl-er-Miss Fosdick. I'll settle with Mr. Hipple myself. In the meantime you may take a couple of days off. Go home right away, and I'll see that he annoys you no more."

After the fair typewriter had put on her wraps and gone home Mr. Hipple was called into the private office, and Mr. Poplin asked him:

"Are you in the habit of reading and signing the firm's letters after the typewriter has taken them from your dicta-

tion and transcribed them. Mr. Hipple?" When Mr. Poplin took the extra time necessary to use the prefix "Mister" in addressing one of the clerks it was an indication that the subject of the interview was of more than ordinary importance. It was with some perturbation, therefore, that Mr. Hipple replied:

"Well, sir, I used to, but I found Miss Fosdick so scrupulously exact that lately dick, in commencing your work as a I have permitted her to sign and mail stenographer for the firm of Poplin & letters dictated to her without my read-Son it is necessary for me to instruct you | ing. She takes me down word for word, as to your duties. I have charge of the sir, so I feel that it isn't necessary for house's correspondence entire charge. me to read them over."

"The reason why I asked you that question is this: I received a note from Mr. Shaw this morning-of Shaw & King, you know-in which he asks an explanation of a letter that he had just received from this house. Perhaps you can give the needed explanation

After a painful pause the senior mem-

ber of the firm went on: "Mr. Hipple, I think I'll attend to the correspondence of this firm hereafter myself, and what lovemaking it is necessary to do to the typewriter I will also look after. The cashier will give you your salary to date. Good morning, sir."

"The idea!" exclaimed Mr. Poplin to his son, the junior member, half an hour later, when he had laid the whole matter before him. "The idea that a womanly and modest girl like Miss Fosdick should be so grossly mistreated in my establishment exasperates me. She's pretty and sweet and altogether admira-

"I rather admire Hipple's taste," said

"Oh, you do!" exclaimed the father. "Then I suppose I have done wrong in discharging the scamp, even when he knew his attentions were distasteful to the girl?"

"No, father, you did quite right. Of course it would not do for that sort of thing to continue."

"Of course it wouldn't. It would be persecution of as sweet a girl as I know." "Why, you are not in love with her

yourself, are you, father?" "I? A widower of fifteen years' standing? The idea! Can't an elderly man defend a helpless young woman without such an imputation as that?"

"Oh, certainly!"

Then the conversation dropped. Old Mr. Poplin was in love with Miss Fosdick nevertheless, and he resolved to ask her to be his son's stepmother on the first opportunity. He thought, moreover, that he would make that opportunity when she should report for duty. Miss Fosdick returned to the store at

the appointed time and proceeded straight to the private office. The elder Mr. Poplin was alone.

"Good morning, Mr. Poplin," said Miss Fosdick with her sweetest smile. "Oh, it's you, is it?" Mr. Poplin replied, raising his eyes above his newspaper. "Sit down, Miss Fosdick, please, Before you take the lid off your typewriter I have something-er-to say to you rather—er—important. I have been thinking of you almost constantly since

wanted to-er-ask you"---"One moment, please, Mr. Poplin," Miss Fosdick interrupted him to say; "you must pardon me. but I have not come back to work."

you went away two days ago, and I

"Eh? What's that?" "No. sir. Fact is I—that is—your son, sir—has done the honor to—to—pro

pose, and—and"— "The sly young rascal!" ejaculated Poplin, not giving her a chance to finish. "Well. I suppose I'll have to be a father to you, and I will say Lam proud of my

new daughter." Then he thought:

"I wonder if she really suspected what was going to say?"—William Henry Siviter in Smith, Gray & Co.'s Monthly.

The Raised Edge of a Coin.

The smooth raised edge around the face of modern coins, and inclosing the device as a frame incloses a picture, not only adds a great deal to the beauty of the piece, but serves a double utilitarian purpose, first to protect the designs from wear, and second to afford a horizontal surface so that the coins may be piled up vertically one on top of another without danger of toppling over. As soon as the raised edge is worn from a coin it loses its clear beauty of design and fast degenerates into a mere characterless disk of metal.

Owing to the long rest which metallic currency had in this country during the reign of greenbacks and shinplasters United States coins are remarkably clear cut and well preserved. Even coins minted before the war retain part of the milling .- New York Sun.

Seventy Women Applied. Recently a man's club of considerable

importance advertised for a secretary, and among some hundreds of replies from men of all grades were seventy applications from women. Sampling wines and cigars, engaging butlers and waiters, receiving indignant members and the like are not exactly feminine occupations. but the innovation may come sooner than we expect, for the club of the future will be an association of men and women, according to the enthusiasts.-New York



GENEROUSLY GIVEN THE ROOM San Elzeario, Tex., June 12, 9110
Two years ago you were kind enough to send
me some of Pastor Koenig's Nerve Tonic, which
I gave to two poor girls who were suffering from
falling sickness, and they got well after using
your excellent remedy. My parish is poor to the
utmost, but your charity will be your crown, for
your remedy so generously given to the poor

your remedy so generously given to the poor, and so excellent, cannot but be an eternal reward.

REV. E. V. LEBRETON. Streator, Ill., Oct. 26, '91.
Pastor Koenig's Nerve Tonic is the only medi-

cine that ever helped one of our sisters who was

suffering from nervousness and sleeplessness for ten years, we also recommended it to many others and it always had the desired effect. A lady in Ohio was suffering from epileptic fits for severa; years and found no relief, until she used Pastor Koenig's Nerve Tonic; three bottles cured her entirely. SISTERS OF ST. FRANCIS.

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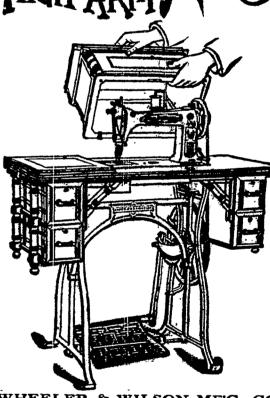
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ATAREH CURE, will cure Catarrh, 1.00
KIDNEY CULE, will cure all forms of Kidney Diseases, 1.00
RIOOD TEA, will cure Constipation, Sick Headache and Purity the Blood, 25
The above and all his other medicines will be sent express paid upon receipt of price, if your druggist can't furnish them. Cure guaranteed or money refunded. None genuine without my name on each package. Send for book, free, describing his treatment of chronic diseases.

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