

1916 CATALOG
Seeds, Plants, Bulbs, Garden, Orchard and Poultry Supplies, Fertilizers, Etc.
A reliable Western Catalog for Western Buyers. Our "Highest Quality" Stocks, direct to buyers only, no agents. You save time and money by buying of us.
New Catalog No. 64 FREE
Routeledge Seed & Floral Co.
149-171 Second St., Portland, Or.

PORTLAND Y. M. C. A.
will fit any ambitious young man or woman for high-class position in
Bookkeeping, Stenography, Salesmanship
To men this includes valuable athletic, aquatic and membership privileges, although tuition cost is less than elsewhere. Valuable courses can also be had in Grammar grade and College Preparatory Subjects. WRITE FOR CATALOG.

Monomobile Oils and Greases
and
FEDERAL TIRES AND TUBES
Free Tire Service.
"THE HOUSE OF SERVICE"
MOTOR CAR SUPPLY CO., Inc.
33 Broadway No. Portland, Ore.

Double Tread Puncture Proof Tires
Made from your old ones. Last long as brand new tires. Write us.
OREGON VULCANIZING CO.
650 Washington St., Portland, Ore.

WEEKS' BREAK-UP-A-COLD TABLETS
A guaranteed remedy for Colds and La Grippe. Price 25c of your druggist. It's good. Take nothing else.—Adv.

Scrap.
Fraternities at the University of California will be prohibited in the future from constructing houses costing more than \$25,000, according to a resolution passed by trustees of the university.
Photography has discovered the depth to which the sun's rays penetrate water. Five hundred and thirty feet below the surface, darkness was much the same as that on earth on a clear but moonless night.
Borings made by the Central Pacific railroad in 1881 in search of water, near Huxley, Nev., encountered at a depth of 1,700 feet a bed of petrified clams, and at 1,900 feet a quantity of redwood timber in a remarkable state of preservation.
Women students made a better scholarship average than men at the University of Wisconsin last semester. Sorority women stood higher than the others, while among the men those who were not members of fraternities did better than those who were.

For any sore—Hanford's Balsam. Adv.

A Pacifist.
"Are you in favor of preparedness?"
"No," replied Broncho Bob. "I think it's all wrong for people to carry guns."
"But you are carrying one right now."
"Sure. If I didn't something might happen to me that 'ud keep me from exertin' my moral influence in the cause of peace."—Washington Star.

WANTED—Every person who uses a Lantern to write us for descriptive pamphlet of **DAD'S SAFETY LANTERN**, the light of all lights, for all purposes, wind, rain and weather proof. Routeledge Seed & Floral Co., 169 24 St., Portland.

Getting Around To It.
"When I was your age I worked 14 hours a day," said the worried father.
"Well, what of it?" replied the young man who squanders.
"Nothing much. Only when you get to be my age that is probably what you will have to do."—Washington Star.

For galls use Hanford's Balsam. Adv.

In the Sanctum.
"Ex-Congressman Flubbub wants a little write-up," remarked the magazine publisher. "What shall we say about him?"
"What did he ever do?"
"Nothing."
"Say he upheld the best traditions of congress. That means little, for or against."—Louisville Courier-Journal.

For poison ivy use Hanford's Balsam. Adv.

"And Thy Neighbor As Thyself."
Willie—Ma, may I have Tommy Wilson over to our house to play Saturday?
Mother—No, you make altogether too much noise. You'd better go over to his house and play.—Boston Transcript.

WOULD YOUR SKIN STAND THIS TEST?

The bright lights of an evening gathering show up mercilessly the defects of a poor complexion. But the regular use of Resinol Soap makes it as easy to have a naturally beautiful skin as to cover up a poor one with cosmetics. It lessens the tendency to pimples, redness and roughness, and in a very short time the complexion usually becomes clear, fresh and velvety.
In severe or stubborn cases, Resinol Soap should be aided by a little Resinol Ointment. All druggists sell them.

P. N. U. No. 6, 1916
WHEN writing to advertisers, please mention this paper.

FAITH IN MARINES

English Monarch Responsible for Famous Saying.

On the Authority of Samuel Pepys, the Following Account of a Historic Incident is Given to the World.

If you "tell it to the marines," be quite sure you have it right, for that warring amphibian is not the credulous personage you have always supposed him to be. United States marine corps officers have traced the famous saying, "Tell it to the marines," to none other than our old friend Samuel Pepys of the diary renown, the original "first nighter," who tells us that the saying had origin with Charles II, the merry monarch of England.

"It so befell," the story goes, "that his light-hearted majesty, with an exceedingly bored expression on his swarthy face, was walking in the shade with the ingenious Mr. Pepys, secretary to the admiralty."

"I had a speech yesterday at Deptford," said Mr. Pepys, "with the captain of the Defiance, who hath but lately returned from the Indies, and who told me the two most wonderful things that ever I think I did hear in my life." Among the stories told were of fish flying in the air.

"Fish flying in the air!" exclaimed his majesty. "He, ha, a quaint conceit, which 'twere too good to spoll w' keeping. What, sir" (he turned and beckoned to the Colonel, Sir William Killigrew, of the newly-raised maritime regiment on foot, who was following in close conversation with the Duke of York) "we would discourse with you on a matter touching your element. What say you, colonel, to a man who swears he hath seen fishes fly in the air?"

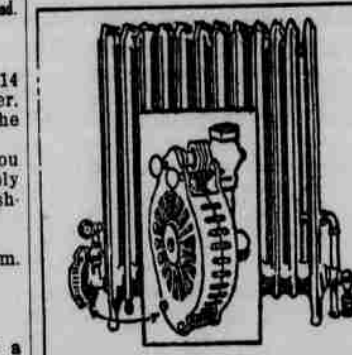
"I should say, sire," returned the sea soldier, simply, "that the man hath sailed in southern seas. For when your majesty's business carried me hither of late I did frequently observe more flying fish in one hour than the hairs of my head in number."

Old Rowley glanced narrowly at the colonel's frank, weather-beaten face. Then, with a laugh, he turned to the secretary and said: "Mr. Pepys, from the very nature of their calling no class of our subjects can have so wide a knowledge of seas and lands as the officers and men of our loyal maritime regiment. Henceforth, whenever we cast doubt upon a tale that lacketh likelihood, we will tell it to the marines—if they believe it, it is safe to say it is true."

EASY TO REGULATE HEAT

By the Use of Adjustable Thermostatic Controller the Temperature of Room May Be Fixed.

By the invention of an adjustable thermostatic controller which is intended to be attached to a steam or hot water radiator a simple means of maintaining a room at a nearly constant temperature has been devised. The plan of the instrument, says Popular Mechanics, is such as to make it possible to keep separate rooms in a house at different temperatures when



illness or other conditions make this desirable.

The device is only a few inches in height, and is not objectionable in appearance. The thermostat consists of two corrugated silver disks which are hermetically joined. The hollow space provided between these disks is filled with a gas, the expansion and contraction of which turns on and off the steam when the heat in a room drops below or rises above predetermined points.

A shield is provided which protects the thermostat against the effect of heat given off from the radiator.

Science in the Kitchen.
To plan a kitchen successfully one must consider carefully the scientific arrangement thereof. After the location of the stove has been decided upon, the sink must be placed. This necessitates a consultation with the plumber, as well as with the architect, since its position is largely dependent upon the location of the water pipes and upon the drainage.
A generous space should be allotted to the sink; also, it should be sufficiently large to permit two persons to work comfortably there. It must be well lighted by ample windows placed above it; if these are double-hung sash windows, one may have the maximum of fresh air, even in extremely cold weather, with no discomfort while washing dishes or otherwise working at the sink.

Beauty of a Good Book.
A good book is the precious life blood of a master spirit embalmed and treasured up on purpose to a life beyond life.—Milton.

WHAT BRITISH CONSOLS ARE

Not Bonds, as We Use Term, but Perpetual Obligations of the British Nation.

The British government debt really dates back to 1672, when it bore 6 per cent interest. Since then the major wars of the world have been recorded with more or less exactness in the fluctuations of interest return to investors in British bonds. Incidentally, a very ancient and honorable British institution is now apparently in the way of being extinguished. In the middle of the eighteenth century—about the time young George Washington was surveying in the wilds of Virginia—England's government debt was consolidated into a uniform issue bearing 3 per cent interest; hence arose the venerated name "consols," long boasted as the world's premier security.

War with the American colonies and with Napoleon sent consols down to 47 cents on the dollar, but by 1824 they were up to 96, and England settled back into a conviction that her government bonds, bearing not more than 3 per cent interest, were among the permanent phenomena of nature, says the Saturday Evening Post. Nearly a generation ago Mr. Goachen reduced the interest on consols to 2 1/2 per cent, then to 2 1/4 per cent, and at the latter rate they presently sold above par.

Consols are not really bonds, as we use the term, because the principal is not payable at all. They are the perpetual obligation of the British government, and the purchaser, instead of getting a sheet of engraved paper, with coupons attached, gets merely an entry on the Bank of England's books signifying that interest is payable to him.

Recently parliament authorized a loan of \$5,000,000,000 payable in 30 years and bearing 4 1/2 per cent interest. Consols are convertible into the new loan at the rate of 66 2/3 cents on the dollar, by which process they may disappear. What other ancient and honorable institutions the war may swallow up is problematical.

The Fire-Brat.

The common silverfish (Lepisma saccharina) is a well-known and troublesome household insect, but its near relative Thermobia domestica, known in England as the "fire-brat," is less familiar. In a recent department of agriculture bulletin on silverfish Mr. C. L. Marlatt calls attention to the curious habit which the fire-brat has developed of frequenting ovens and fireplaces, where it seemingly revels in an amount of heat that would be fatal to most other insects. The writer says: "It disports itself in numbers about the openings of ranges and over the hot bricks and metal, manifesting a most surprising immunity from the effects of high temperature." It was first described in this country in 1873, and began to be noted commonly about 1895 in Europe. It is of about the same size and general appearance as the silverfish, except for some dusky markings.

"Spinster."

The word spinster is a form or variation of spinner, one who spins, meaning an unmarried woman who was supposed to occupy herself with spinning. In its primitive form and meaning the word is of early Anglo-Saxon origin, when no young woman was thought fit to be a wife till she had spun for herself an outfit of personal, table and bed linen; hence spinner or spinster. The fine and sacred word wife (Saxon wif) has a somewhat similar origin in the Saxon verb wifan or wefan, to weave, the weaver being the natural successor of the spinner. There was nothing derisive in the term spinster and it is still used in legal documents to designate an unmarried woman.

New Grecian Harbor.

One of the largest works now receiving the attention of the Hellenic government is the construction of a new navy yard and arsenal at Scaramanga, on the bay of Eleusis, to supersede the present yard, which lies opposite the island of Salamis. This construction is being carried out under the supervision and after the plans of a corps of British engineers. The estimated cost is in the neighborhood of \$15,000,000. It will be several years before it can be completed. It will give to Greece a landlocked harbor for its fleet, with ample facilities for repair work.

Still Sore.

"If you are kind to people they will be kind to you."
"No doubt that is true in the main, but there are exceptions and I hope you won't dwell on the subject this morning."
"Why, what's the matter?"
"I've just been victimized by a fake promoter, and I was as kind to him as I could be."

Most Improbable.

"Do you think there's any truth in the story that Nero added while Rome burned?"
"No," replied the vaudeville manager; "there isn't a musician on earth who would be content to perform on the same bill with so strong a rival attraction as a conflagration."

In the Modern Flat.

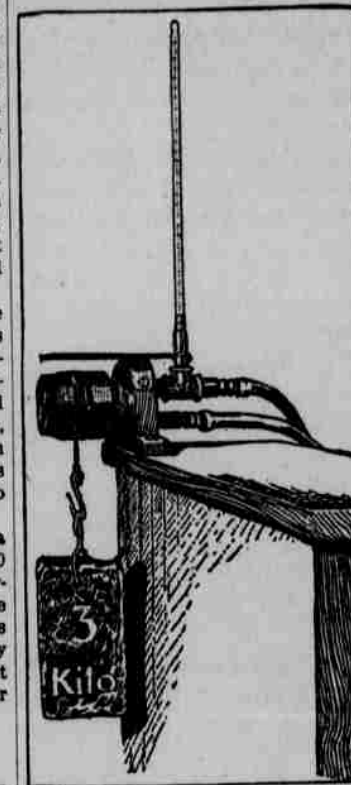
Prospective Tenant (dubiously)—Well, I'd take the place. It has modern improvements and so forth, as you say, but I don't like that ugly crack in the wall over there.
Jantor (hastily)—Crack, sir? Why, that's the private hall!—Puck.

AIDS ROAD BUILDERS

Device Divulges "Stickiness" of Various Materials.

Little Invention Welcomed by the Men Who Construct the Highways Which Connect the Coasts of the Country.

The stickiness of materials can now be measured and placed in actual relative figures with the aid of a device which the California highway commission is using to test road oils. The experts who examine road oils have found that the ordinary physical and chemical tests did not tell some of the facts which they most desired to know, among them how sticky a sub-



Device to Measure Stickiness. The Substance is Smeared on a Roller, and the Machine Then Tells How Sticky the Material Is.

stance is; so to find out the power of different oils to hold dust, and the binding coat, the "adhesive machine" was constructed.

The little invention consists of an inner and outer cylinder, the latter a hundredth of an inch larger than the former. The material to be tested is placed between these two cylinders and the whole combination is mounted horizontally. A rope and a weight are attached to the outer cylinder; a water-cooling jacket keeps the temperature uniform, with a tall thermometer on the device keeping the record, and the test starts. The time required for the weights to turn the outer cylinder three times is the figure which decides the test. A minimum time of 300 seconds has been established as a requirement for all oils. The balsam preparation used for sticky fly paper has an adhesive test figure of about 250 seconds.—Illustrated World.

Evolution of an Aristocrat.

When Hanch Glover was a farm hand, relates the Howard Courant, he ran away and married his employer's daughter, and he had never worn a linen collar or a nightgown, and his wife had to nag at him to get him to wash his feet every Saturday night. When he moved to town and built his new house she had the fight of her life to get him to have a bathtub and hot water equipment built in. But she won out, and now Hanch doesn't see how he ever got along without it. In fact, he monopolizes the bathroom and calls it his room, doing all his dressing and undressing in it, and his wife can't get inside the door until after he is through or leaves the house. The other morning when he found long hairs in his brush and some hairpins lying on the shelf he snorted and jawed around till he made himself very unpleasant, and now he is planning to have a bathroom put in which shall be his exclusively and where his wife will not be allowed to butt in and clutter it up with her powder puffs and tooth brushes and funny looking fixin's. Hanch Glover has changed greatly since 1881.—Kansas City Star.

Occupation for Tots.

Children are often restless because no occupation has been provided for them. And if a little thought is taken it is sometimes easy to do this, for when children are quiet any household gets on much better.

When the children must stay in the house, a never-failing source of amusement is "store." What child has not delighted in weighing out flour and sugar or giving imaginary or real samples of dress stuffs? And money may be of paper or pins. The childish imagination will bridge any gaps. One mother procured a large wooden packing box for her children and they thought it an ideal "store." Furthermore, she saved all the grocery boxes, labeled them—in fact, everything which would swell a grocery stock on a packing box scale.
Needless to say, these children played for hours in perfect quietness.

Quite a Different Thing.

She—"Why do you refuse Ethel's hand to Mr. Nocoyns? Don't you want your daughter married off?" He—"Yes; what I am trying to avoid is having a son-in-law married on."—Boston Transcript.

Opportunities of the Horse Breeder in the Northwest.

About the professional horse breeder I shall have little to say. He is abundantly able to take care of himself and, if he is as foresighted as he should be, he will profit by the impending conditions which will soon make horse breeding one of the most profitable phases of animal husbandry in this country.

Henry Ford and the European war conditions have completely changed the aspect of the horse business in this country—the first by putting the poor horse out of business and the second by practically cleaning the country of the lighter and less useful farm horses and both in causing conditions which make for the advantage of the drafter.

More than any other country the United States is a user of agricultural machinery and, as our machines have become heavier and more complicated we have suffered from lack of farm power. Motors will not supply this lack as they are yet too expensive both in cost and operation and they do not supply the mobility of power afforded by the horse and needed by the farmer.

The reason for this lack of power is not far to seek. It has been the long continued and almost universal practice for farmers to breed their mares to the nearest stallion regardless of breed or type but, all the time, very regardless of the size of the service fee. Too often the farmer will breed his mares to a Percheron one year, a Clyde or a Shire the next and then to a standard bred, a Morgan or a grade the next with the result that he has all kinds and types of horses on his farm at the same time.

The raising of pure bred draft horses on the farm should now offer greater opportunities than ever before. I mention the drafter particularly because he is the only kind for the farmer and his market for his surplus animals.

Never breed a mare to a stallion that is not of her own breed and never, under any circumstances, use a stallion that is not better than the mare. Good draft horses are just as essential as good seed or good machinery and the foals from pure bred parents are worth at least double any other kind. And then feed. Draft horses cannot be made without feed. Push the colts from three weeks to three years, give him plenty of open air and exercise, and he will pay you as well as anything on the farm.—I. D. Hraham, in Rural Spirit.

One trial convinces—Hanford's Balsam. Adv.

Nicknames of Presidents.

- Father of His Country—George Washington.
- The Colossus of Independence—John Adams.
- The Sage of Monticello—Thomas Jefferson.
- The Father of the Constitution—James Madison.
- The Poor but Spotless President—James Monroe.
- Old Hickory—Andrew Jackson.
- The Old Man Eloquent—John Quincy Adams.
- The Shrewd Statesman—Martin Van Buren.
- Hero of Tippecanoe—William H. Harrison.
- The First Accident President—John Tyler.
- Young Hickory—James K. Polk.
- Old Rough and Ready—Zachary Taylor.
- Second Accidental President—Millard Fillmore.
- The Yankee President—Franklin Pierce.
- The Bachelor President—James Buchanan.
- Honest Abe—Abraham Lincoln.
- The Silent President—Ulysses S. Grant.
- The Teacher President—James A. Garfield.
- The Chesterfield of the White House—Chester A. Arthur.
- The Man of Destiny—Grover Cleveland.
- The Conservative President—Benjamin Harrison.
- The Little Major—William McKinley.
- Teddy the Terrible—Theodore Roosevelt.

Made since 1846—Hanford's Balsam. Adv.

An Imperial Pooh Bah.

"Donald," said an officer of the Scots Greys some years ago, "have you heard that the Czar of Russia has been appointed colonel of our regiment?"

"Indeed, sir, is that so?" said Donald. "It's a vera gran' thing for him." Then he paused and scratched his head, while a puzzled expression came over his face. "Beg pardon, sir," he added, "but will he be able to keep bath jobs?"—Boston Transcript.

Family Affair.

"So my daughter has consented to become your wife. Have you fixed the day of the wedding?"
"I will leave that to her."
"Will you have a church or a private wedding?"
"Her mother can decide that."
"What have you to live on?"
"I will leave that entirely to you, sir."—Yale Record.

Best for Horses.

Give your horses good care and you will be doubly repaid by the better work they will do. For sores, galls and other external troubles apply Hanford's Balsam of Myrrh. Ranchmen, lumbermen and Iiverymen recommend it. Adv.

Heard in a Book Store.

"Hello, Brown! Buying a new novel?"
"I thought you never read a book that is less than a year old."
"I don't, but by the time my wife and daughter get through lending this to their friends, it will be that old and more."—Boston Transcript.

IS YOUR BLOOD RICH?
Poor Blood is the indirect cause of much winter sickness—it allows chills, invites colds and sickness.
Nourishment alone makes blood—not drugs or liquors—and the nourishing food in **Scott's Emulsion** charges summer blood with winter richness and increases the red corpuscles.
Its **Cod Liver Oil** warms the body, fortifies the lungs, and alleviates rheumatic tendencies.
YOUR DRUGGIST HAS IT.
14-45 BROADWAY, N. Y.
14-45 BROADWAY, N. Y.

A Good Milk
It always a healthy cow. Milk cows in ten can be both healthy and profitable if the first sign of reduced milk yield is recognized as a danger signal.
Such cows can usually be toned up by the use of **Kow-Kure**, the great cow medicine. Used for twenty years for the cure and prevention of Abortion, Mastitis, Milk Fever, Scouring, Lack of Appetite, Bunches and Retained Afterbirth.
Sold by druggists and feed dealers in 5c and 10c packages.
Dairy Association Co.
Hendeville, Vt.
KOW-KURE

NORTHWESTERN AGENTS
Portland Seed Co.,
Portland, Oregon

Portland Y. M. C. A. Auto School
Day and night classes. Expert training in repairing, driving and machine work, including forge, lathe, shaper, drill press, tractors, etc. Time unlimited. COMPETENT CHAUFFEURS AND MECHANICS SUPPLIED. WRITE US.

Modern Journalism.

Crack! ! !
A pistol shot cut the murky air of the rooming house and the little bullet whistled merrily as it sped across the dining room.
Pop! ! !
She fell to the floor.
Tap! Tap! Tap!
The murderer was running up the uncarpeted stairs.
Slam! ! !
The door of his room crashed shut and the gunman was alone.
Another crack! ! !
Plot! ! !
And the murderer fell dead.
Honk! Honk!
The police motor signaled that it was on the job.
Clatter! Clatter! Scuff! Scuff!
A crowd was rapidly gathering at the scene of the double tragedy.
Sniff! Sniff!
Hysterical women were sobbing.
Chug! Chug!
The police motor hurried the dying woman to the hospital.
Wuxtra! Wuxtra!—Brooklyn Eagle.

HOWARD E. BURTCH—Analyst and Chemist, 111 Louisville, Colorado. Specimens priced: Gold, Silver, Lead, H. Gold, Silver, Tin, Zinc, Iron or Copper. H. Mailing envelopes a full price list sent on application. Control and Empire work accepted. References: California National Bank.

If It Comes to a Choice.

"Bobby, do you know you've deliberately broken the eighth commandment by stealing James' candy?"
"Well, I thought I might as well break the eighth commandment and have the candy, as to break the tenth and only 'covet' it."—Life.

Particulars Wanted.

"What's that noise?" asked Willie as the owls began to hoot.
"It's a howl," said his English nurse.
"Pooh!" cried Willie, "I know that; but what is it that's howling?"—Harper's Bazaar.

Have Healthy, Strong, Beautiful Eyes.
Oculists and Physicians used **Murine Eye Remedy** many years before it was offered as a Domestic Eye Medicine. Murine is Still Composed by Our Physicians and guaranteed by them as a Reliable Relief for Eyes that Need Care. Try it in your Eyes and in Baby's Eyes—No Smarting—Just Eye Comfort. Buy Murine of your Druggist—accept no Substitute, and if interested write for Book of the Eye Free. **MURINE EYE REMEDY CO., CHICAGO**

Would Do Her Part.

He—Of course you understand, Betty, that our engagement must be kept secret.
She—Oh, yes, dear. I'll be sure and tell everybody that—Boston Transcript.

Save Your Horses.

From Distemper, Mountain Fever, and all other forms of Contagion by using **Sponh's Distemper Compound**. Put on the tongue or in the feed. Safe at all times for all ages and sexes under all conditions. Same for Dog Distemper and Chicken Cholera. Acts on the blood, expels the germs. Removes worms from stomach and intestines. A fine tonic and appetizer. Absolutely safe, even for human beings. Over 1,000,000 bottles sold last year. Greatest cure and preventive ever known for Contagious diseases. Nearly everyone knows Sponh's. Over 18 years on the market. Have you used this great remedy? Why not? It is not an experiment. Try it; be convinced; let "Sponh's" help you save and make money. All wholesale druggists can supply you, or write to manufacturer's address. Your horse manufacturers, with price enclosed. A bottle, 50c and \$1.00; \$5.00 and \$10.00 the dozen. Local agents wanted. **Sponh Medical Co., Goshen, Ind., U. S. A.**

RAILROAD WATCH

To advertise our business and make new friends, we will send you this elegant railroad watch post paid for only 35 cents; gentleman's size; full nickel silver plated, lever escapement, stem wind and stem set, a perfect timekeeper, fully guaranteed for five years; send this advertisement with 35 cents and watch will be sent by return mail post paid; satisfaction guaranteed or money refunded.
JAMIESON BROS., Jewelers.
PORTLAND, OREGON.