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The only Automobile School on the Pacific Coast maintaining a Gas Tractor Dept. Using Holt Caterpillar, C. L. Best Tractor and Wheel Tractors, both in the school and operating field.

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The home of the satisfied shipper.
The better the cream, the better the price.

Double Tread, Puncture Proof Tires

Made from your old ones. Last long as your new ones. WE ALSO BUY OLD TIRES. We pay as high as the per lb. for such as we can use in Double Tread work, and the highest market for junk. Ship your tires at once or write us.

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We want all you have. Write for prices and shipping tags. THE H. F. NORTON CO., 53 North Front St., Portland, Ore.

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Treatment and Prevention of Gonorrhea. Treatment and Prevention of Catarrhs. Hog Sanitation. Foully Diseases. Clip this ad and mark an X in front of books wanted. THEIDA BROS., Dekum Bldg., Portland, Oregon.

Moderate.

"Is your husband a heavy smoker?"
"Dear me, no! You've no idea how long it takes me to save up enough coupons from his cigars to buy a cut glass pickle dish."—Detroit Free Press.

And Enough For a Square Meal.

Butcher—Will you have the round steak, ma'am?
Mrs. Youngbride—I don't care what shape it is, so it's tender.—Boston Transcript.

Metal Grain Bins



RAT PROOF RAIN PROOF RUST PROOF

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PORTLAND, [RENTON] OREGON

C. Gee Wo
Successful Home Remedies

His successful herbal remedies cure all kinds of ailments of men and women without operation, used from the wonderful Chinese herbs, roots, barks and vegetables, which are unknown to the medical science of this country. Write for blank and circular. Send stamp. CONSULTATION FREE. Address: The C. Gee Wo Chinese Medicine Co., 124 1/2 First St., Portland, Ore. Mention Paper.

P. N. U. No. 17, 1916

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EYE OF SUBMARINE

Periscope Described as Really Simple Instrument.

Gives Clear Images, but Has Some Defects Which Scientists Are Endeavoring to Rectify—Tires the Observer Quickly.

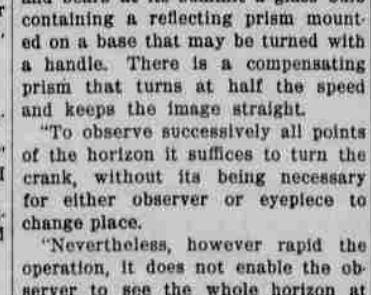
The periscope, the "eye" of the submarine, whose construction has proved a complicated problem for opticians. "In its simple form," an optician says, "it is a vertical steel tube about 20 feet long, with a reflecting prism at the top and the lens of a telescope at the bottom. It is, in fact, a simple telescope whose line of light turns a corner from horizontal to vertical as it passes through the prism. This instrument takes in 45 degrees of the horizon, or one-eighth of the total, at one view. By turning the tube on its axis, the rest comes into sight successively.

"This periscope gives very clear images, but as it can be used with only one eye at a time it does not allow of distinguishing the different planes of vision very well, and tires the observer's eye rather quickly. Binocular periscopes have been attempted, but luminosity is lost by gaining the advantage of stereoscopic vision.

"The so-called combination periscope allows of vision with both eyes, though it is not stereoscopic. A real image is thrown on a ground-glass screen, much like that of a photograph camera; it may be looked at with the two eyes, but no impression of depth and space is given. The screen avoids excessive fatigue, and it can be used only in bright light. The size of the image is often insufficient to bring out detail. To obtain greater enlargement without diminishing clearness too much, magnifying lenses are sometimes added.

"The preceding periscopes do not enable a commander to take a rapid survey of the horizon; it takes five to ten seconds to make a complete circle. Again, the observer must himself move around with the eyepiece. If the image is to remain upright without moving the eyepiece it is necessary to use a compensatory prism whose movement makes up for that of the eyepiece.

"This is the principle of the panoramic periscope whose tube is fixed



An Eye Placed at the Observing End of a Submarine's Periscope Sees a Ring-Shaped Image of the Horizon With Direct Image of One Part in the Center.

and bears at its summit a glass bulb containing a reflecting prism mounted on a base that may be turned with a handle. There is a compensating prism that turns at half the speed and keeps the image straight.

"To observe successively all points of the horizon it suffices to turn the crank, without its being necessary for either observer or eyepiece to change place.

"Nevertheless, however rapid the operation, it does not enable the observer to see the whole horizon at once. This is realized in the periscope with ring-shaped eyepiece. At the top of the tube is a ring-shaped lens which refracts toward the base of the tube rays that reach it from all sides. A panoramic image is thus obtained that includes all surrounding objects, although they appear smaller and more distant than with the naked eye. The observer also sees, in the center of the panoramic image, a portion of the field on a larger scale."

General Merritt's Career.

General Wesley Merritt was born in New York city in 1836 and died in 1910. He was graduated from West Point in 1859 and in 1861 assigned to a cavalry regiment. In 1862 he acted as aid to General Cooke. In 1863 he participated in Stoneman's famous raid toward Richmond. In the battle of Gettysburg and in the Richmond campaign of April-August, 1864, he commanded a reserve cavalry brigade, and in the Shenandoah valley campaign and the final Richmond campaign he commanded a cavalry division. By the end of the war he had been made major general of volunteers and brevet major general in the regular army. In 1876 he served in the Indian campaigns in Wyoming and Dakota. From 1882 to 1887 he was superintendent of the United States Military academy. In 1887 he was made brigadier general. In 1895 major general. In 1897-98 he commanded the department of the East of the United States army, and he was in command of the United States forces in the Philippines in 1898. He was one of the United States peace commissioners to Paris, and after that was again commander of the department of the East until he retired from the service June 16, 1900. He was the son of John W. and Julia Anne Merritt.

His Training.

"Why don't you dress that north window?" asked the department store manager.

"I have dressed it with women's wear," replied the window dresser.

"But there's hardly a thing in it!"

"Well, you see, I used to be an usher at the opera and I'm used to that kind of dressing."

Hot Lunches in Country Schools.

University of Oregon, Eugene.—Hot lunches at noon in remote country schools is an educational innovation that has been introduced into western Lane county. In western Lane much of the school year is rainy, and youngsters traveling long distances in all sorts of weather, often wear wet clothes a large part of the day.

School boards were accordingly asked to provide cooking utensils, which in many cases consist of only a large kettle, a big spoon, a knife and a few other bare necessities. The children bring the articles to be cooked. Some bring potatoes, some bring vegetables, some bring meat, milk and other articles at different times. Each child has his own bowl and the lunch consists usually of hot soup.

Each day two pupils are appointed hosts for the following day. After school at a meeting the kind of soup desired for the following day is determined, and on the following day the two hosts are allowed time from their school work to prepare and cook the soup over the big stove in the corner of the school room.

Formerly the children consumed their cold lunch in perhaps ten minutes; now lunch occupies about a half hour and each pupil eats at his own desk. Miss Jennie Bossen is school supervisor in the district in which this innovation has been made.

Best Proof That Resinol Heals Eczema

In our file of reports, covering a period of twenty years, literally thousands of physicians tell how successful the Resinol treatment is for eczema and similar skin troubles. The first use of Resinol Ointment and Resinol Soap usually stops the itching and burning, and they soon clear away all trace of the eruption. No other treatment has stood the test now before the public can show such a record of professional approval.

Resinol Ointment and Resinol Soap work so gently, and are so absolutely free from anything that could injure even the tenderest skin, that they are ideal for healing the skin troubles of infants and children. Sold by all druggists. (Adv.)

The Truth.

"You told me when I bought this lot that the town couldn't possibly grow in any direction but this."

"Well, it hasn't had it? As a matter of fact, the population has decreased 50 per cent since that time."

Trying To Be Complimentary.

"What did your children say when you played Santa Claus last year?"

"Nothing," replied Mr. Growcher, "except they believed the make-up was an improvement on my regular face."—Washington Star.

Speeding.

"Now we must speed the parting guest."

"Leave her to me. If I ever get her and her traps into the car, I'll hit it up to 60 miles an hour."—Louisville Courier-Journal.

Heard On the Elevated.

First Young Thing—I started reading "Les Miserables" last night. It is very interesting.

Second Young Thing—Isn't it! I think it is Victor Herbert's masterpiece.—Boston Transcript.

No Chance.

"Yes, sir, one hour's uninterrupted reading each evening would make you—"

"Interrupted! Where do you think my wife spends her evenings?"—London Opinion.

For Every Kind of Lameness

HANFORD'S Balsam of Myrrh
ALINMENT

For Cuts, Burns, Bruises, Sprains, Strains, Stiff Neck, Chillsains, Lame Back, Old Sores, Open Wounds, and all External Injuries.

Made Since 1846. Ask Anybody About It

Price 25c, 50c and \$1.00

OR WRITE
All Dealers G. C. Hanford Mfg. Co.
SYRACUSE, N. Y.

A Flat Dweller's Strategem.

Mrs. X—Bothered with time-wasting callers, are you? Why don't you try my plan?

Mrs. Y—What is your plan?

Mrs. X—Why, when the bell rings I put on my hat and gloves before I press the button. If it proves to be someone I don't want to see, I simply say: "So sorry, but I'm just going out."

Mrs. Y—But suppose it's someone you do want to see?

Mrs. X—Oh, then I say: "So fortunate I've just come in."—Boston Transcript.

Dance to Drive Fog Away.

The canyons and mountains back of Inceville, near Santa Monica, Cal., resounded at night with the beat of tom-toms and the hillside were lighted by the bonfires of 100 Indians, who spent the night praying in primitive fashion to drive away the fog and rain.

The chief of the tribe had been informed that if the fogs lasted much longer, preventing the making of pictures for the movies, the Indians would have to be sent back to their reservation in South Dakota.

A council was called and it was decided to hold a "sunshine" or "weather" dance. W. E. Brooks, in charge of the Indians, was so notified and Mr. Ince contributed an ox to be roasted as part of the ceremony.

Two medicine men, Lone Bear, reputed to be more than one hundred years old, and Good Voice Crow were in charge of the ceremonies, in which all the Indians took part. Bonfires were lighted and the tom-toms were sounded on the top of a mountain back of the motion picture camp. As the ox roasted the dance continued.—New York Sun.

Mistakes Soldier for "Daddy."

The following slip-tilt on war was seen on a London street. A British officer, carrying his arm in a sling, was preparing to step off a street car when a young woman, dressed in deep mourning, a baby in her arms, stepped on the platform. The child cried "Daddy" with embarrassing enthusiasm on seeing the officer. The passengers giggled, the officer blushed, but tears rushed into the eyes of the young widow. In an instant the tragedy of war was revealed to everybody. The wounded officer drew himself up stiffly and saluted the baby. This tribute to the dead father froze any further merriment and the incident was closed.

Frame of Mind.

"Now, why deliberately irritate the cook, my dear?"

"It is necessary, John. She has to whip some cream."

"What of that?"

"She will make a much better job of it if she is mad."

Health Has Its Own Reward

THEREFORE--

Strive for and maintain the highest possible standard at all times; when you need help

REMEMBER--

HOSTETTER'S Stomach Bitters

Is a remedy you can always rely on for Stomach and Bowel disorders. Get the genuine

START FIERCE FIRE

How German Incendiary Bombs Are Constructed.

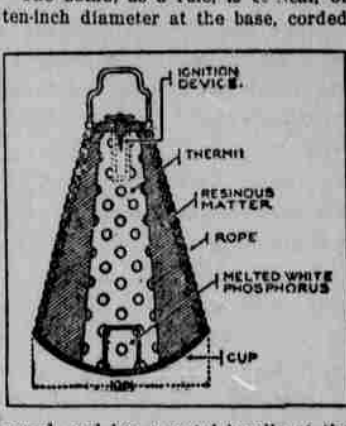
Intended to Generate Sudden and Intense Heat at the Point Where They Are Dropped—Noxious Gas Also Liberated.

The incendiary bombs which have been dropped from Zeppelins upon parts of France and England are among the most ingenious and perfectly devised destructive contrivances that the war has brought out.

In the scores that have been dropped from Germany's gigantic airships only one so far has failed to explode and this has been seized upon eagerly by the English war officials for examination.

It differs from an ordinary explosive bomb inasmuch as it is intended not to scatter fragments over a wide area, but to produce sudden and intense heat at a given point, thus starting a fierce conflagration.

The bomb, as a rule, is conical, of ten-inch diameter at the base, corded



round, and has a metal handle at the apex. The base is a flat cup, on to which a pierced metal funnel is fitted, having the igniter device and handle fitted at the top. The funnel is generally filled with thermite, which upon ignition generates intense heat, and by the time of the concussion has taken the form of molten metal of the extraordinarily high temperature of over 5,000 degrees Fahrenheit.

The molten metal is spread by the concussion. Outside the funnel is a padding of a highly inflammable or resinous material bound on with an inflammable form of rope. The resinous material creates a pungent smoke.

There is generally some melted white phosphorus in the bottom of the cup, which develops noxious fumes. In some cases celluloid shavings are added, and occasionally a small quantity of petrol.

Savings Banked in Teapots.

A considerable amount of gold is being hoarded by people who bank their incomes and business takings and who are anxious to be ready to meet emergency demands; and it is probable that a much larger quantity is stored up in rural parishes throughout the country.

The money, which is added to from time to time, lies unproductive in the house, concealed in wooden boxes under the bed, teapots, vases, or in tin boxes. It was stated recently in a local paper in Devonshire that persons who went about the country districts knew instances of from \$500 to \$4,000 being kept in bedrooms in lonely farm houses, the owners of these dead reserves being in no way tempted by 5 per cent bonds. It was, in fact, being the custom in many families for the family fortune, such as it is, to be handed to the heirs in cash.

In certain rural minds there seems to be not only a distrust of the bank and post office, but an ineradicable objection to outside persons knowing the state of their finances. It is not yet realized that a practice which may be comparatively innocuous in time of peace is positively harmful in time of war.—London Times.

Chief of the Tribe Had Been Informed.

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GIANT FARM POWDERS

Lifted this one

4 1/2 Feet

6 Feet

—Six feet through at base, 4 feet 6 inches through at top, five feet above ground.

Giant Stumping Powder did a clean job, taking out roots and all without tearing a big hole in the ground. Farmers who have used them know that

GIANT FARM POWDERS
STUMPING—AGRICULTURAL

always save them money, time and work. They save money because they lift and heave as well as shatter, and go further than high explosives that merely split the stumps. They save time and work because they get out the stumps—big or little, green or dead—in a condition easy to handle. "I get better results from Giant Powders than from any other powder I have used," says A. E. Adkins, Woodburn, Ore.

There are two Giant Farm Powders, both made especially for Pacific Coast farmers. Eureka Stumping Powder is most economical for dry work and Giant Stumping Powder saves money in stump blasting in wet soil. Try these two. Compare them with the powder you have been using, and you will always use Giant in future. Write us and we will have our nearest distributor supply a trial case at the lowest market price.

Five Blasting Books FREE

Better ways of removing stumps and boulders, making ditches, planting trees, and breaking up the subsoil are described in our five illustrated books. They were written for western farmers, to meet the conditions that you have. Write us for the book on the subject you are interested in.

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"Everything for Blasting"
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LOSSES SURELY PREVENTED

Cutter's Blacking Pills. Improved, fresh, reliable, prepared by Western stockmen because they prevent, where other blacking fail. Write for booklet and testimonials. Ask for Cutter's. It is irrefragable, order direct. THE CUTLER LABORATORY, Berkeley, California.

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.

KOVERALLS

Keep Kids Kleen

The most practical, healthful, playtime garments ever invented for children 1 to 8 years of age. Made in one piece with draw legs. Cap, lined, or of, Early washed. No buttons, elastic bands to stop circulation. Made in blue denim, and blue and white hickory stripes for all the year round. Also lighter weight, hot-color material in dark blue, cadet blue, tan or checked for summer wear, all approximately trimmed with fast-color patterns. Made in French neck with elastic sleeves and high neck and long sleeves.

75c the suit

If your dealer cannot supply you, we will send them, charges prepaid on receipt of price, 75c each. A New FREE 1/2 Size

Beware of Imitations. Look for the Two Hatched Neck with Elastic Sleeves and High Neck and Long Sleeves.

Made by Levi Strauss & Co., San Francisco
Awarded GRAND PRIZE at the P.P.I.E.

Novelty Needed.

"You don't say 'Down with the trusts!' in your speeches any more."

"No," replied Senator Sorghum; "mine are like other audiences. You've got to give them something new."—Washington Star.

Another Good One.

"I see the Campfire Girls have an honor entitled the 'firemaker degree.'"

"That ought to qualify them as good wives for lucky men. Have they a dish-washer degree?"—Louisville Courier-Journal.

Guessed.

Mame—Honest, Maude, didn't you accept Jack's proposal last night?

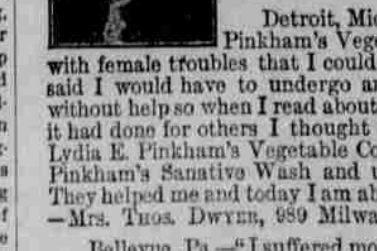
Maude—Y-Y-Yes. But how did you guess?

Mame—Oh, the poor dear looked so worried this morning.—Penn State Froth.

How to avoid Operations

These Three Women Tell How They Escaped the Dreadful Ordeal of Surgical Operations.

Hospitals are great and necessary institutions, but they should be the last resort for women who suffer with ills peculiar to their sex. Many letters on file in the Pinkham Laboratory at Lynn, Mass., prove that a great number of women after they have been recommended to submit to an operation have been made well by Lydia E. Pinkham's Vegetable Compound. Here are three such letters. All sick women should read them.



Marinette, Wis.—"I went to the doctor and he told me I must have an operation for a female trouble, and I hated to have it done as I had been married only a short time. I would have terrible pains and my hands and feet were cold all the time. I took Lydia E. Pinkham's Vegetable Compound and was cured, and I feel better in every way. I give you permission to publish my name because I am so thankful that I feel well again."
—Mrs. FRED BEINKE, Marinette, Wis.

Detroit, Mich.—"When I first took Lydia E. Pinkham's Vegetable Compound I was so run down with female troubles that I could not do anything, and our doctor said I would have to undergo an operation. I could hardly walk without help so when I read about the Vegetable Compound and what it had done for others I thought I would try it. I got a bottle of Lydia E. Pinkham's Vegetable Compound and a package of Lydia E. Pinkham's Sanative Wash and used them according to directions. They helped me and today I am able to do all my work and I am well."
—Mrs. THOS. DWYER, 959 Milwaukee Ave., East, Detroit, Mich.

Bellevue, Pa.—"I suffered more than tongue can tell with terrible bearing down pains and inflammation. I tried several doctors and they all told me the same story, that I never could get well without an operation and I just dreaded the thought of that. I also tried a good many other medicines that were recommended to me and none of them helped me until a friend advised me to give Lydia E. Pinkham's Vegetable Compound a trial. The first bottle helped, I kept taking it and now I don't know what it is to be sick any more and I am picking up my weight. I am 20 years old and weigh 145 pounds. It will be the greatest pleasure to me if I can have the opportunity to recommend it to any other suffering woman."
—Miss LENA FROELICHER, 1923 Manhattan St., North Side, Bellevue, Pa.

If you would like special advice write to Lydia E. Pinkham Med. Co. (confidential), Lynn, Mass. Your letter will be opened, read and answered by a woman and held in strict confidence.