

Is It Your Own Hair?

Do you pin your hat to your own hair? Can't do it? Haven't enough hair? It must be you do not know Ayer's Hair Vigor! Here's an introduction! May the acquaintance result in a heavy growth of rich, thick, glossy hair! And we know you'll never be gray.

"I think that Ayer's Hair Vigor is the most wonderful hair-grower that was ever made. I have used it for some time and I can truthfully say that I am greatly pleased with it. I cheerfully recommend it as a splendid preparation."—Miss V. Brock, Wayland, Mich.

Made by J. C. Ayer & Co., Lowell, Mass.
Also manufacturers of
Ayer's
SABAPARILLA,
PILLS,
CHERRY PECTORAL.

Natural Deduction.

City Editor—Well, did you get an interview from Mrs. Blank on the subject?

New Reporter—No, sir. I saw the lady, but she refused to talk.

City Editor—Indeed! When did she die?

RUSSIAN HEAVE POWDERS
CURE HEAVES, COUGH, Distemper, all trouble that cause heaves. Sold on guarantee over 10 years. 50¢ per box, by mail, 60¢.
CURED 34.
"The past 1 month I have cured 11 horses of heaves, 14 of distemper and 9 of chronic cough."—E. Schneider, Newark, N. Y.
Write how many headstock you have, we send stock book FREE. **Prosser Remedy Co., St. Paul, Minn.**
PORTLAND SEED CO., Portland, Or.,
Coast Agents.

Business Education

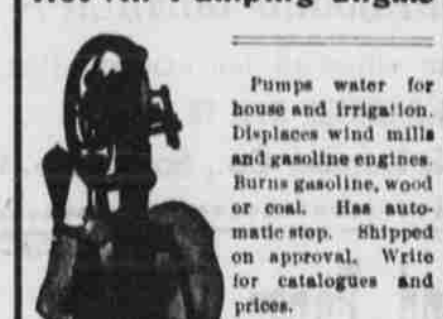
Clip this out, return to us with the names and addresses of yourself and two of your friends, and the date when you will probably enter a business college, and we will credit you with \$5.00 on our \$65.00 scholarship. Our school offers exceptional advantages to students of Business, Shorthand, English, etc.
BEST INSTRUCTION—LOWEST TUITION
WRITE FOR CATALOGUE 1917—IT'S FREE

THE MULTNOMAH BUSINESS INSTITUTE
M. A. ALBIN, Pres.
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The Lewis Phono-Metric Institute and School for Stammerers of Detroit, Michigan. Established eleven years. Have cured thousands. Gold Medal awarded World's Fair, St. Louis, 1904. Recommended by physicians, educators, clergymen, and graduates everywhere. This Institute has a Western Branch at Portland with a very large class of pupils in attendance—men and women, girls and boys—all ages, ten to sixty. Many have been cured in three weeks, but five to six weeks is the time usually required. Will close in Portland on October 15th. Will accept pupils until September 1st. A POSITIVE, ABSOLUTE CURE GUARANTEED. Write at once for particulars and terms. If you mention this paper and send 2 cents in stamps, to cover postage, I will send you our cloth bound, 500 page book, "The Origin and Treatment of Stammering," free of charge.
Address: **WILLIAM T. LEWIS**
Western Representative Associate Principal
8 W. Cor. 10th and Raleigh Streets
PORTLAND, OREGON
Note—No pupils accepted at Portland after Sept. 1st.

ECONOMY Hot Air Pumping Engine



Pumps water for house and irrigation. Displaces wind mills and gasoline engines. Burns gasoline, wood or coal. Has automatic stop. Shipped on approval. Write for catalogues and prices.

BEALL & CO.
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THE DR. C. GEE WO CHINESE MEDICINE CO.
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HAVE MOVED
To the Large Brick Building at the S. E. Corner of First and Morrison Streets. Entrance No. 102 1/2 First Street.

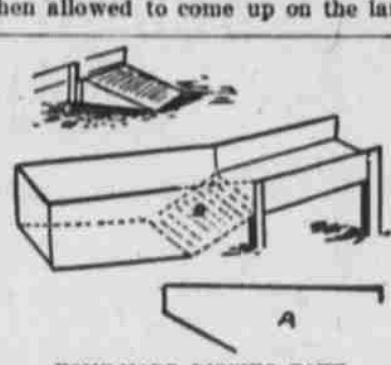
Successful Home Treatment
DR. C. GEE WO is known throughout the United States, and is called the Great Chinese Doctor on account of his wonderful cures, wit, out the aid of a knife, without using poisons or drugs of any kind. He treats any and all diseases with powerful Oriental Roots, Herbs, Buds, Bark and Vegetables that are unknown to medical science in this country, and through the use of these harmless remedies. He guarantees to cure Catarrh, Asthma, Lung Trouble, Rheumatism, Nervousness, Stomach, Liver, Kidney, Female weakness and All Chronic Diseases. Call or write, enclosing 4 2c. stamps for mailing Book and Circular. Address
The C. Gee Wo Chinese Medicine Co.
No. 162 1/2 First St., S. E. Cor. Morrison
Please mention this paper. Portland, Oregon.



Tank for Dipping Sheep.

There are several plans for making a tank in which to dip sheep, and if one has a flock of considerable size it is wise to obtain some of the plans that are offered by manufacturers. If, however, the flock is not large, a home-made affair is easily built and at comparatively small cost. A tank of this kind is made as follows: A convenient size is ten feet long, four feet wide and two and one-half feet deep. It should be made so that the tank containing the dip is reached by a slatted walkway leading down to it, and another slatted walk leading up to the landing from which they go down into the tank.

There should be sufficient of the dip mixture placed in the tank to cover the back of the animal, which should be immersed for about one minute, then allowed to come up on the land-



HOME-MADE DIPPING TANK.

ing, where the dip is squeezed out of the wool and the animal allowed to stand to drain. The illustration shows how this tank is built. B indicates the slatted walkway and A shows the exact shape of the side portion of the box; the little drawing above the tank shows a walk down from the end of the drainage box which will prevent the sheep from injuring their legs, which they would be likely to do in jumping.

Shade for Poultry.

It is easy to give the poultry the needed shade when the range is fairly well covered with trees or even small brush, but where it is entirely open poultry suffer so much from the heat of the sun that the freedom does them little good; indeed, it would be better for them to be confined in large yards, where they might have shade during the day and a run on the grass after the sun goes down. However, it is not an expensive plan to arrange a number of tents on the open range by erecting a frame of light strips of wood and covering this frame with unbleached muslin. By sharpening the ends of the posts the frame may be secured to the ground, yet



SHADE-COOP FOR POULTRY.

easily lifted and removed to another portion of the range when desired. The plan is worth the attention of all poultrymen.

A Fighting Cow.

No fewer than six persons are at present suffering from injuries inflicted by a cow, evidently of Texas fighting stock, which broke loose in the streets of an English town, a few days ago, creating extraordinary scenes. The animal was being led by a halter, but when near the slaughter house it suddenly rushed at the man under whose charge it was, and tossed him high in the air. Extraordinary excitement at once arose, as the animal bolted from street to street, attacking or frightening all it saw. A little girl, aged seven, was wounded in the thigh with its horns, and a man knocked down. Leaving the town the animal directed its course towards the village, whence it had been brought. A farmer who attempted to capture it was gored in the thigh, and finally the "casualty list" was brought to a close by a man in Jordan yard, which it had left two hours previously, having one of his hands run through by a horn. New England Homestead.

Two Mistakes.

A farmer who had frostbitten corn thought it worthless. So in 1906 he failed to save it. He found, through a neighbor's experience, that stock would live on it alone through the winter. Another mistake was in not preparing plenty of insecticide, by reason of which potatoes were destroyed by chinch bugs. On the other hand, cabbage was a great success, some weighing as much as twenty pounds. He saved these from bugs by killing them by hand.

Investigating the Soils.

For the sake of supplying definite and absolutely reliable information in regard to every square mile of land in the 3,622,933 which compose the area of the United States of America, Uncle Sam, through the Bureau of Soils of the Department of Agriculture, will spend eighteen years and at least \$6,000,000. When the work of the Bureau of soils has been completed, it will be possible for a man intending to purchase a farm to write to the Department of Agriculture, and secure from that department a detailed map of the section in which his farm is located, together with a description of the section. Then by looking up his intended purchase on the map and consulting the descriptive booklet, he can determine to a nicety its value. The map will show by different colors the nature of the soil, while the descriptive booklet will tell its value which has been determined by examination of the soil, study of the railroad facilities, and the examination of the markets and other qualifying conditions. The soil maps and booklets will enable many farmers, who have been only partially successful, to learn wherein they have failed by trying to raise crops unsuited to the nature of their lands, and will instruct them as to what crops are best suited to their farms. It will instruct them also as to the best methods of cultivating soils of different kinds.

While the examination of soils has been carried on for perhaps a hundred years by laboratory methods, the present investigation is along entirely different and far more practicable lines. The soils division was established as a separate bureau of the Department of Agriculture on July 1, 1901, and since that time its force has been increased more than twelvefold. Up to December 31, 1904, the bureau has mapped 88,555 square miles, in small patches scattered over the whole United States, and it is estimated that eighteen years more will be required to complete the work.

Concrete for Farm Uses.

In many sections concrete buildings are being constructed on farms, and that they are likely to be desirable is probable just as soon as builders have a little more experience in constructing them. At present it is safer to confine one's operations in concrete to floors, and that there ought to be more concrete floors in farm buildings there is no doubt. They may be quite expensive in the first cost, but they are the cheapest floors in the end if properly constructed. There need be no elaborate selection of material, simply the best cement, sharp sand (not sandy soil) and small, sharp stones in the proper quantity.

The foundation ground should be hard and level. Then make the mixture of sand and cement three parts sand to one part of cement, stirring the mass thoroughly until it is uniform in color. It is important that the sand and cement be thoroughly mixed. Then supply the stones and mix all again, doing it thoroughly. There should be about five times the bulk of the cement in stones. The mass should be well wet so that it will readily slide off the shovel when placed in position.

Then fix a tamper, having it full ten inches wide each way—a board nailed in the end of a three by three strip makes a good tamper—and pound the mass until the water appears evenly on the surface. Be careful in going over it the last time and get it as level as you desire it. Let the mass dry for from three to five days and the job is done.

Eggs by the Million.

The western part of Virginia has been known for years as a great section for raising poultry, and the industry is increasing at a rapid rate. The shipment of Thanksgiving turkeys and chickens for all seasons brings in a considerable revenue. In Rockingham county last year, 30,000 crates were shipped to market, a total of 10,800,000 eggs sold from one county in a single year. This does not include many thousands consumed on the farms where they were laid. The lowest price of the year was 14 to 15 cents a dozen, and in December 32 cents was paid. The average for the last year was 22 cents. The profit from eggs alone to Rockingham county farmers was nearly \$200,000.

Barn and Pasture.

Put the idle mare on the pasture. Wide tires save much horse power. A sandy or muddy road doubles the work. Axle grease pays 1,000 per cent profit. The best drivers talk much to their animals.

Plants growing near the sea have thicker leaves than those growing inland. Apparently the sea salt is the cause of this phenomena, as plants cultivated in artificially-salted soil yield thicker leaves.

Good ventilation, clean bedding and plenty of light and comfortable stalls are also necessary in the cow stable. Dusty bedding and any feed that is dusty will seed it with millions of germs and these will develop taints and defects that are not desirable.

SKIN DISEASES SPEAK FOR THE BLOOD

Skin Diseases speak for the blood and tell of the acid-laden, poisonous condition of that vital fluid, and of its effort to throw off and rid the system of the poisons and waste matters that have accumulated in it. Eczema, Tetter, Acne, Salt Rheum, Psoriasis, Boils and diseases of this type are all caused by a weakened and polluted blood circulation, and though they may have lain dormant in the system during the cold weather, at the coming of Spring and Summer, when the blood is reacting and making extra efforts to expel all morbid and poisonous matter, they make their appearance. External remedies cannot cure; they soothe and give temporary relief, but often clog the pores and glands, and the poison causing the trouble is thus shut up in the system to break out afresh later on. S. S. S., a purely vegetable blood remedy, cures all skin diseases by going down into the circulation, driving out all poisons and waste matters, strengthening the blood, leaving the skin soft and smooth, and building up the entire system by its tonic effect. S. S. S. cures Nettle Rash, Poison Oak and all skin diseases that enter the system through the pores and glands, as well as those that have their origin in the blood. Book on Skin Diseases and any advice wished, without charge.

In 1896 I experienced at times patches on the inside of my hands that itched and burned, causing much discomfort. I was convinced I was afflicted with a type of Eczema. I consulted several physicians, and used several external applications, receiving but slight temporary relief. I decided to try S. S. S., and soon I found myself entirely cured. Station A., Kansas City, Mo. W. P. BARNES.

SSS
THE SWIFT SPECIFIC CO., ATLANTA, GA.

BIGGEST WINDMILL OF ALL.

Pumps Water Into Golden Gate Park in San Francisco.

The largest windmill in the United States, if, indeed, not the largest in the whole world, has recently been constructed near San Francisco. This gigantic mill is located directly on the ocean beach, near the famous seal rocks. It is used for pumping water up into Golden Gate Park.

The huge, strong wooden tower supporting the wind arms rises 130 feet. It is 40 feet square at the base, securely anchored and gradually tapers upward, assuming a round shape.

There are four immense wooden arms, or vanes. Each arm measures 80 feet from the center or hub—thus making a diameter of 160 feet in describing the circle. The wind vanes are 6 feet wide and extend nearly the entire length of the huge arms.

This windmill is located upon a prominent elevation, so that it may catch every available wind arising in that section.

This colossal windmill is capable of developing 50-horse power. Its pumping capacity is 200,000 gallons of water every twenty-four hours.

The water is taken from the wells and forced through a large iron main sixteen inches in diameter, for nearly four miles up into an immense reservoir several hundred feet higher than the ocean beach. From this reservoir the water is distributed in all directions through the park.

During the dry, hot season the arms of this giant windmill are kept whirling day and night to supply the thirsty demand. As the mill stands on the wide, open beach, there is rarely, if ever, any lack of wind; in fact, the winds occasionally blow with such violence that the mill is compelled to be shut down, as it would be risky to attempt to run it during a fierce gale.

The Sorrow of It.

"Somehow," remarked young De Borem, "I am awfully stupid to-night."

"Indeed you are," retorted Miss Costique, somewhat impulsively.

"Do you really mean that?" asked the young man, in surprise.

"I merely indorsed your statement. Didn't you just now assert that you were awfully stupid?" she asked.

"Yes," he admitted, "but I merely said so without thinking."

"And up to the time you spoke of it," rejoined the matter-of-fact maid, "I only thought so without saying it."

Grounds for Divorce.

Newsed—Alas! I am a disappointed man. My wife cannot sing.

Oldwed—Can't sing! Why, man, that ought to be a cause for rejoicing. You are to be congratulated.

Newsed—Yes, but the trouble is she thinks she can.

Almost Satisfied.

Congressman Broussard, of Louisiana, says that at New Iberia, his State, in the early '90s, when that district was visited by a severe flood, one of the expeditions for relief organized by the government one day encountered an old negro who, in a dilapidated dugout, was having considerable trouble in keeping afloat. The old fellow was busy paddling with one hand, while he bailed out his craft with the other.

At this juncture the relief boat came within hailing distance, and the captain called out:

"Hello, there, uncle! Anything you want?"

"Nothin' 'cept wings, boss," was the grim reply.

Mothers will find Mrs. Winslow's Soothing Syrup the best remedy to use for their children during the teething period.

Bury Your Troubles.

Train yourself to keep your troubles to yourself. Don't pour them out upon acquaintances or strangers. It isn't their fault if you have troubles, and they don't want to hear of yours, because they have so many of their own. And besides—here is a point to consider—if you insist on telling other people of your grievances they will at length come to dislike and shun you, because thereby you prevent them from telling their troubles.

FITS Permanently Cured.

after first day's use of Dr. Kline's Great Nerve Restorer. Send for Free 23 trial bottle and treatise. Dr. R. H. Kline, Ltd., 511 Arch St., Philadelphia, Pa.

Quite a Relief.

Timid Youth—I have er—come to ask a g-great favor of your, sir. I—er—

Stern Parent—Well, cut it short, young man; this is my busy day.

Timid Youth—I love your d-daughter, sir, and e-came to ask her hand in m-marriage.

Stern Parent—Oh, all right, my boy; take her, and welcome. I thought at first you wanted to borrow money.

MALLEABLE IRON STUMP PULLERS

Patented, lightest and strongest Stump Puller on the market. 112 Horse power on the sweep with two horses. Write for descriptive catalog and prices.

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Foot of Morrison Street Portland, Oregon

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EVERYWHERE—SEND THEM IN—MERCHANTS PROTECTIVE ASSN. FRANKS & LUNT, 614 N. 3rd St., SALT LAKE CITY, UTAH. (DOES PEOPLE DON'T LIVE IN IT)

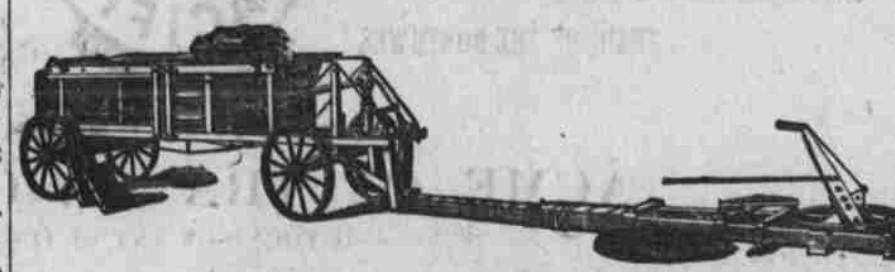
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