

**MY OWN FAMILY USE
PE-RU-NA.**



HON. GEORGE W. HONEY.

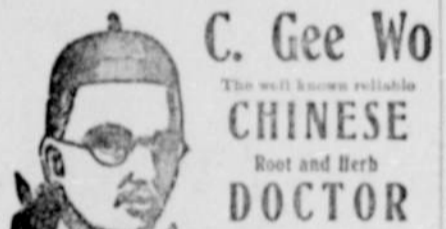
Hon. George W. Honey, National Chaplain U. V. U., ex-Chaplain Fourth Wisconsin Cavalry, ex-Treasurer State of Wisconsin, and ex-Quartermaster General State of Texas G. A. R., writes from 1709 First St., N. E., Washington, D. C., as follows:

"I cannot too highly recommend your preparation for the relief of catarrhal troubles in their various forms. Some members of my own family have used it with most gratifying results. When other remedies failed, Peruna proved most efficacious and I cheerfully certify to its curative excellence."

Mr. Fred L. Helms, for nine years a leading photographer of Kansas City, Mo., located at the northeast corner of 12th and Grand Aves., cheerfully gives the following testimony: "It is a proven fact that Peruna will cure catarrh and la grippe, and as a tonic it has no equal. Drug gists have tried to make me take something else 'just as good,' but Peruna is good enough for me."

Per-na in Tablet Form.
For two years Dr. Hartman and his assistants have incessantly labored to create Per-na in tablet form, and their strenuous labors have just been crowned with success. People who object to liquid medicines can now secure Per-na tablets, which represent the solid medicinal ingredients of Per-na.

"20-Mule-Team" Borax tends to stop the development of light and mildew, and destroys parasitical insects. Stalks, young leaves and buds affected should be carefully sprinkled with Borax solution, and "20-Mule-Team" Borax should be used freely around the winnowing and floors of buildings to protect from insects.



**C. Gee Wo
CHINESE
ROOT AND HERB
DOCTOR**

He made a life study of roots and herbs, and is the only one in the world who understands the medicinal value of each.

A SURE CANCER CURE
Just received fromeking, China—Safe, Sure and Reliable.

IF YOU ARE AFFLICTED, DON'T DELAY.
DELAWARE AND MICHIGAN

CONSULTATION FREE
If you cannot call, write for symptom blank and directions.

THE C. GEE WO CHINESE MEDICINE CO.
121 First St., One, Haverhill, Portland, Oregon.
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MAPLEINE A Flavoring. It makes syrup better than Maple. Sold by grocers.

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PORTLAND, OREGON
BEHNKE-WALKER STUDENTS SUCCEED. WHY?
They are trained for business in a business-like way. Why not enroll in a reputable school that places all of its graduates?
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Improve Your Baking
KC Baking Powder will do it! Get a can. Try it for your favorite cake. If it doesn't raise better, more evenly, higher, —if it isn't daintier, more delicate in flavor, —we return your money. Everybody agrees KC has no equal.

KC BAKING POWDER
Pure, Wholesome, Economical.

Another Kind.

When Johnny Hobbs left his home up among the New Hampshire hills to visit his grandmother in Worcester, Mass., he was cautioned by his mother that he would find things in the city strangely different from those at home.

Johnny arrived in the early afternoon, and long before tea time his grandmother, who lived most simply, told him to run out to the pantry and get a bowl of milk which she had left there "for a hungry boy."

A moment later she followed him, and, to her amazement, beheld her grandson bravely at work on a bowl of spearmint tea which she had forgotten to put in the place where she had told him to find the milk.

"Why, child," she cried, setting the bowl from poor Johnny, "don't you know this isn't milk?"

"I—I knew it wasn't like Hilbury milk," stammered Johnny, with a final gulp, "but I thought maybe it was the kind folks had in Worcester."

Peppermint and Tobacco.

If you have a boy who has begun smoking too early and whom you wish to cure of the habit, feed him peppermints. Dr. O. Clayton Jones of Silverton, England, writing in the London Lancet, is authority for this simple cure. Dr. Jones writes: "To break the smoking habit in a youth there is nothing better than peppermint drops. He cannot smoke with a 'bulbsy' in his mouth, and even for some time after it is dissolved tobacco will not blend kindly with the taste that remains. Socially the cure may seem worse than the disease, but from a medical point of view the sucking of peppermints is far less hurtful. A common 'bulbsy' will prevent smoking for nearly an hour, so the amount of sweets used need not be great."

Unanswerable.

The lion was sneering at the awkward, uncouth, and generally ugly appearance of the elephant.

"I may not be as graceful as you are," observed the elephant, "but I'm nearer skin to the human family than you are. The knees of my hind legs bend forward, as a man's legs do, while yours bend backward, the same as a hyena's, or a hog's, or a skunk's. You belong to a lower order of creation, and I'd rather not associate with you on terms of equality if it's all the same to you."

Whereat the lion, observing that the elephant was waving his trunk threateningly, went back among the wolves and coyotes, where he still retained some prestige.

An Unfortunate Misunderstanding.
"I had to leave my last situation because the missus said they were going to lend the sinful life, and they wouldn't want any servants about the place,"—Punch.

KASPARILLA

This sterling household remedy is most successfully prescribed for a "world of troubles." For derangements of the digestive organs it is a natural corrective, operating directly upon the liver and alimentary canal, gently but persistently stimulating a beneficial activity. Its beneficial influence extends, however, to every portion of the system, aiding in the processes of digestion and assimilation of food, promoting a wholesome, natural appetite, correcting sour stomach, bad breath, irregularities of the bowels, constipation and the long list of troubles directly traceable to those unwholesome conditions. Kasparilla dispels drowsiness, headache, backache and despondency due to inactivity of the liver, kidneys and digestive tract. It is a strengthening tonic of the highest value. If it fails to satisfy we authorize all dealers to refund the purchase price.

MOYNT CHEMICAL CO., Portland, Oregon

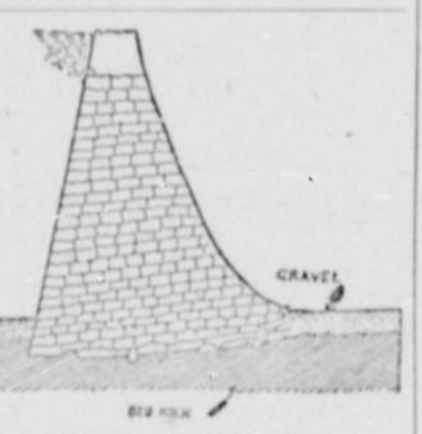


Building a Dam.

I expect to build a dam on a creek for a saw mill. Dam will be about 100 feet long at top to raise the water ten feet. 1. What would be the cheapest way of building the dam? 2. Will you give a plan of such a dam? 3. What size of turbine would be necessary to run a 48-inch circular saw?

Ans.—The accompanying sketch shows a cross-section of the style of dam that would be required for this purpose. Dams are sometimes constructed by a curbing of wood, masonry, or cement, the interior being filled with dry stones. Such a dam is called a rock-fill dam. If stone is plentiful, the dam may be built entirely of masonry. The top should be laid either with plank or cement.

As the illustration shows, the dam is laid on bed-rock, the bed rock being blasted out sufficiently to secure a key and a solid footing generally. With a ten-foot dam the base should be ten feet wide. On the upstream side, the batter or slope of the dam is about 1 in 4, and on the downstream side the upper part of the latter is about 1 in 3 and the lower part 1 in 1. The dam throughout its length should curve upstream, so as to present a concave surface to the pressure of the water.



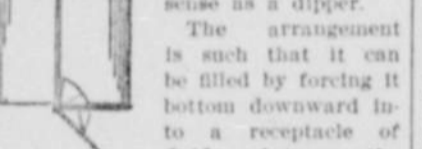
DAM FOR SAW MILL POWER

The masonry work should be constructed of rubble with cement mortar, and all the work should be very thoroughly done.

A necessary provision in connection with a dam is sufficient wasteway for water not utilized for power. The common form of wasteway is a tunnel through the dam sufficiently large to provide for the maximum amount of water that would be required to pass through it. In addition sluice gates should be provided, by which the flow of water would be controlled. The water to be utilized for power may be carried to the wheel by means of a flume. A fifteen-inch turbine wheel would provide from 8 to 10 horse power, which would be sufficient to run a saw of the size mentioned.—Montreal Star.

For Feeding Stock.

A bucket of peculiar construction, designed especially to be used by farmers and dairymen in feeding slop to stock and in the handling of fluid substances is the invention of a Michigan man. It serves in a sense as a dipper.



NEW BUCKET.

The bottom being opened to permit the bucket to be filled and closed to hold the contents until carried to the place of feeding. The contents can thus be discharged into a trough without wasting it and without the liability of spilling it upon the clothes of the operator. The hinged portion of the bottom of the can is operated by a rod extending above the top, which terminates into a handle. As the bucket is always maintained upon the bottom to keep it closed. When it is desired to discharge the contents the handle is pushed downward.

Pig Money in Waste Land.

The woven wire fence is revolutionizing the hog industry in the whole country, and when farmers learn to utilize every bit of waste land for pasture for their hogs the herds will be healthy and the cost of production will be decreased many dollars. It won't do to allow the pigs to lie in the shade of the corn cribs or to allow them only a run of pasture. Feed a little corn all of the time that the pigs are running in the pasture. The grass-grown pig does not appear so attractive with his working clothes on, but when he is well developed and ready to be fitted he makes the pampered pigs look like 20 cents. He makes a fine appearance and is a credit to his owner and feeder.

Portable Canning Machine.

A machine by which the farmer can prepare and can his fruits, tomatoes, corn, beans or any other farm produce which can be canned, in the fields or orchards in which the vegetable or fruit is growing, is described in Popular Mechanics. Mounted on a wheelbarrow arrangement the machine can be pushed from one orchard to another or from a tomato patch to a cornfield as necessity requires. Water for the process is heated by a kerosene burner.

Salt for Live Stock.

Why salt should be regularly supplied to stock is thus put by a famous English authority: "Because in the blood of animals there is six or seven times more sodium than potassium, and that the composition of the blood is constant. To keep animals in good health a definite amount of common salt must be assimilated. The excess of potassium salts in vegetable foods causes by chemical exchange an abnormal loss of common salt. This is proved by the fact that the craving of an animal for common salt is most noticeable when the food contains a large proportion of potassium salts, such as wheat, barley, oats, potatoes, beans and peas. The addition of salt to animal food increases the appetite, promotes the repair of tissue by its searching diffusion through the body, and stimulates the rapid using up of its waste products. Bousingault's experiments showed that salt increases muscular vigor and activity, and improves their general appearance and condition."

The Right Way to Pack Fruit.

If the fruitgrower simply tumbles his apples into the barrel without sorting and without arrangement, in order to get the greatest number into the barrel, heads it up and ships to market, he will discover when he gets his check that his fruit has been sold for the lowest price. The only way to get the top prices for fruit is to sort it according to grades, arranging in barrels or boxes in layers, placing each apple in by hand, and selecting for the top layer fruit of the same color. The top layer should be made up of apples all of the same size if possible, and the fruit should come just to the top of the crates. Then the heading should be carefully placed on top and gently pressed down until it slips into the chine. This can be done better by the use of a block placed under a lever.

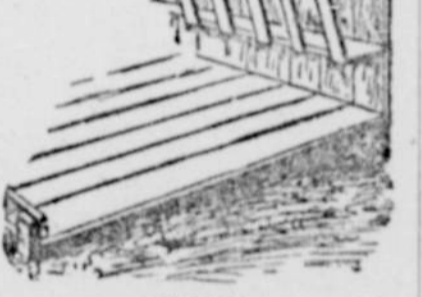
Nitrate of Soda.

The value of nitrate of soda applied to barnyard muck at the New Jersey experiment station was stated by the experimenters as follows: Amount applied, 100 pounds per acre; yield untreated acre, 7.03 tons; treated acre, 13.28 tons; gain by use of nitrate, 5.75 tons; per cent of gain, 75.4; value of gain, at \$3 per ton, \$17.25; cost of nitrate per acre, \$3.00, net gain per acre by use of nitrate over cost, \$14.25. The crop was seeded on June 16 on well-fertilized land at the rate of three-fourths bushels of seed per acre, after a crop of oat and pea forage had been harvested, which averaged six tons per acre. The nitrate was applied soon after the plants were well rooted and capable of absorbing fluid rapidly.

Cow Stall.

The stall as shown here is four feet over all, but can be made less. Cows when eating will stand with her hind feet just behind the 2 by 4, leaving the droppings behind it.

When she lies down she will be compelled to lie in front of the 2 by 4



COW STALL.

with her head under the feed rack. It is not necessary to have a gutter in a stall of this kind. There should be short partitions, however, to keep the cows from turning around.

For building, use 2 by 4 for bottom, feed rack; bottom of rack 3 feet above floor. Strips of 1 by 4, 6 inches apart form the rack, and should slope back 60 degrees. From 7 to 8 feet from front of stall place 2 by 4 on edge; if set in dirt use stakes.

Chemical Action of Manure.

Although cultivation is necessary and will increase your crops, no matter how much you cultivate, or how you labor, it should be remembered that the plant food in the soil is the vital element of crop production. The crop removes this element, but by applying manure it is put back again. Manure not only enriches soil with the elements of fertility, but also renders the stored plant food of the soil more available, improves the chemical conditions, makes the soil warmer and enables it to retain more moisture and to draw it up from below.

Farming Notes.

Remember the importance of the kitchen garden.

Some genius has figured out that a bee will on a busy day draw sugar from 120,000 different clover heads.

When mustard is a serious pest the fields are sprayed with a solution that kills the weed, but does not harm the crop.

The government spent \$10,000 this last spring planning ways to destroy the green bug in Kansas, Oklahoma and Texas.

One hundred and thirty-nine cows, comprising the best of thirty-six Illinois herds, produced an average of 301 pounds of butter fat last year.

A cow owned by William Maher of Sheffield, Ill., gave birth to three calves, and perfectly developed calves. She is half Jersey, and raised the calves the first three weeks on her own milk.

S.S.S. THE CURE FOR SCROFULA

Swollen glands about the neck, weak eyes, pale, waxy complexions, running sores and ulcers, skin diseases, and general poor health, are the usual ways in which Scrofula is manifested. The disease being deeply entrenched in the blood often attacks the bones, resulting in White Swelling, or hip disease, and the scrofulous and tubercular matter so thoroughly destroys the healthful properties of the blood that Scrofula sometimes terminates in consumption, an incurable disease. The entire circulation being contaminated, the only way to cure the trouble is to thoroughly purify the blood and restore the circulation to a strong, healthy state. S. S. S. is the very best treatment for Scrofula; it renovates the entire blood supply and drives out the scrofulous and tubercular deposits. S. S. S. is the greatest of all blood purifiers, and it not only goes right down to the very bottom of the trouble and removes the cause, but it supplies the weak, diseased blood with the healthful properties it is in need of, and in this way builds up weak, frail, scrofulous persons and makes them strong and healthy. S. S. S. is a gentle, safe, vegetable preparation and is suited for persons of any age. Book on the blood containing information about Scrofula and any medical advice free.

THE SWIFT SPECIFIC CO., ATLANTA, GA.

As a Safety Valve.

"Scrofuly doesn't have any more of those terrible epileptic fits he used to have, does he?"

"No; whenever he feels one of them coming on he goes and takes a spin in his automobile."

One Reason.
Bella—What do they want to discover the north pole for?
Stella—What for? Why, for the sake of getting some picture postcards from there, of course.—Pick-Me-Up.

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

Even Change.
"You spent a month at the seaside. Did it pay?"
"I can't say it paid, but I came out exactly even."
"How?"
"Paid out \$20, but gained twelve pounds. Same thing, you know."

New York Jews.

The Jewish community of New York is now the largest in history or tradition. It represents 10 per cent of the entire Jewish population of the world.

AT'S 50 Vine Street and 1000 Broadway, Philadelphia, Pa.

Circular Ambition.

Slocum—Curious fact that Hostly, the baseball pitcher, has taken up, isn't it? He's building an airship.
Gofast—No; it's perfectly natural. He thinks he can make one that will describe a shorter curve than anybody else's machine.

It Cures While You Walk.

Allen's Foot-Paste is a certain cure for hot, swelling, chafed, and sore feet. Sold by all druggists. Price 25c. Don't accept any imitations. Trial package FREE. Address Allen & Diamond, Le Roy, N. Y.

When the Wind Blows Right.

Stranger—How far is it to the stock yard?
Native—Right here. Can't you tell by your nose?
Stranger—No; been smelling just like this ever since I came in sight of the town.—Chicago Tribune.

How's This?

We offer one Hundred Dollars Reward for any case of Catarrh that cannot be cured by Hall's Catarrh Cure.

F. J. CHENEY & CO., Toledo, O. We, the undersigned, have known F. J. Cheney for the last 15 years, and believe him perfectly honorable in all business transactions and financially able to carry out any obligation made by him.

WALDEN, KINNAN & MARVIN, Wholesale Druggists, Toledo, O. Hall's Catarrh Cure is sold internally, acting directly upon the blood and mucous surfaces of the system. Testimonials sent free. Price 75 cents per bottle. Sold by all Druggists. Take Hall's Family Pills for Constipation.

Uncle Allen.

"I see the government is going into the airship business," said Uncle Allen Sparks. "Sooner or later the airship will get into politics, and then we'll have machine politicians and flying machine politicians."

Symmetry.

The smoker who sat directly opposite had put his feet on the edge of the seat occupied by the professor.

It was excused in one of those easy-going, hygienic shoes that look like a canvas covered ham.

"My friend," said the professor, eyeing it disapprovingly, "oblige me by removing that thing from my seat. It's had room."—Chicago Tribune.

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The cleanest, lightest, and most comfortable at the same time because it wears longest \$3.00 Everywhere
Every garment guaranteed waterproof Colored for

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Get it from your Grocer
25c FULL POUND 25c

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The result of 23 years' experience, the new way of replacing teeth in the mouth. Teeth in fact, teeth in appearance, teach to chew your food upon, as you did upon your natural ones. Our tissue is so organized we can do our entire course, bridge or plate work in a day if necessary. Fully patentable extraction. Only high-class scientific work.

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