A Two-Story Hen House,

capitalists who need not count their dollars when they are about to begin business. Economy with them is the first consideration, And asit is much less cost to build a two-story house than one of a single story, it seems to be a sort of want of wisdom that two-story houses are not the rule for keeping hens, instead of the rare exception. The accompanying illustration shows on excellent two-story hen house, in which there is a very pleasant roosting apartment above the ground floor. The lower floor is used for an exercising house, and for laying. At one corner is a separate pen for hens with broods, each of which has a pen to itself, in which it is enclosed until the chicks may be safely let out into the yards around the building. It is intended that this house should stand in the center of a piot of two acres, di- center will make it mark all of the vided into four yards, into which the

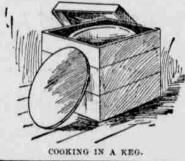
This house is supposed to be fifty feet long and twenty-five feet wide. This is wide enough for any purpose, but the length may be increased to any extent desired for larger flocks. There is a slatted ventilator on the top, which is closed at will by a sliding door in the bottom of it. The lower floor is seven The middlemen are the distributors,



A TWO-STORY HEN HOUSE.

feet high to the floor above, a broad sloping way is made, with a slatted floor, for the hens to go up to roost, and as there is nothing for them to roost upon below, they must go up.

power on the farm it does not follow to be positively sure that my horse that it must be used for every purpose where additional power is required. There are many kinds of jobs where a small engine, which any farmer can easily learn to run, will give better satisfaction and be far less expensive than the knot (a) fairly tight; pass the end keeping a horse. With the proper connections so as to furnish the power such an engine will do the churning or run the milk separator. It will do the washing and turn the grindstone in summer, a job that has disgusted more boys with farming than any other. One of the best uses of the engine is to make it turn a lathe, where the young people can cut out various kinds of wooden utensils and learn skill in handicraft that will be useful to them all their lives.



will cook in the time elapsing from one feed to the next. It is surprising how long the water will remain hot, even in very cold weather.

Cattle Industry Changes.

time. Of course, somebody has to raise ing end of it. The number of range cattle that are being fed on corn each winter is growing rapidly. This fact is just as noticeable with sheep as with cattle, for naturally the same conditions and results obtain.-Chicago Drovers' Journal.

seed meal for years leading agriculturists are taking the stand that it is an unsafe food, as it varies greatly accordafter it is removed from the bolls. Cotseed that has been subject to pressure MISSIONARIES TO ALASKA

North to Spread the Gospel,

Take a plank 15 feet long, 10 inches wide, 2 inches thick. Make six short runners 18 inches long, sloped enough to run easily. Fasten them to the plank underneath with two 4-inch wood screws. One foot and a half from each end cut your plank in two and put on a good hinge. Bolt on two iron straps 41/2 feet from each end, fasten two iron braces to them and fasten the braces to a tongue, and you have a complete corn marker. Drive the team so that the outside runner will run in the track much or more of the customs and habpreviously made. You can turn up the its of the natives than any persons who



REV. GAMBELL AND WIFE.

have visited Alaska. They have in their work lived among the Indians until they are thoroughly familiar with

SITTING DHURNA IN INDIA.

The Mahratta Method of Settling Debts.

Many queer stories are told of the persistence and clever devices of the collectors of bad debts; but even a professional humorist would find it hard to invent anything more absurd than for a temporary hitch. But if I wanted the method actually in use among the Mahrattas-at least, if travelers' tales are to be trusted.

> a creditor cannot get his money and begins to regard the debt as desperate, he proceeds to sit "dhurna" upon his debtor, that is, he squats down at the door of his victim's tent, and thereby, in some mysterious way, becomes master of the situation go in or out except by his sanction. He neither himself eats nor allows his debtor to eat, and this extraordinary starvation contest is kept up until either the debt is paid or the creditor gives up the siege, and in the latter

> However strange it may appear to Europeans, this method of enforcing a demand is an established and almost universal usage among the Mahrattas, and seems to them a mere matter of course, Even their "Scindiah," or chieftain, is not exempt from it,

The laws by which the "dhurna" is regulated are as well defined as those of any other custom whatever. When it is meant to be very strict, the claimant takes with him a number of his followers, who surround the tent, and sometimes even the bed of his adver-There are hundreds of farmers who sary, to make sure that he obtains no are opposed to "book farming," or what morsel of food. The code, however, prescribes the same abstinence for the man who imposes the ordeal; and, of course, the strongest stomach wins When a cow is sick she refuses to eat: the day. After all, we have little right to ridicule this absurdity; for our own laws provide, nominally at least, for starving a jury into a verdict. cud by a cow is simply the forcing of

A similar custom was once so prevalent in the province and city of Benares that Brahmins were sometimes systematically put through a course of training to enable them to endure a long time without food. They were then sent to the door of some rich person, where they publicly made a vow to remain fasting until a certain sum of money was paid, or until they perished from starvation. To cause the death of a Brahmin was considered so heinous an offense that the cash was generally forthcoming; but never without a resolute struggle to determine whether the man was likely to prove stanch, for the average Oriental will almost as soon give up his life as his

Pruning Lilac Wiegela. Both lilac and wiegela bear their flowers on their young or green shoots, and if pruned in autumn or winter the bloom will be much reduced. These plants need very little pruning, as a rule, beyond cutting away any dead wood or unnecessary branches, but if at any time it should be thought desirable to shorten or head back the branches, the proper time for doing it is immediately after the plants have finished their blooming.-Vick's Maga-

Even Worse than Death. "Why are the Dashleigh girls in mourning?"

CHINKS IN A MUSS.

Whatever may be the matter with China and other countries, it is said that for the reason that most of them have so little to feed upon and so very much hard work to do they suffer greatly with neuralgia. It is doubtful if they could suffer more than our people do, owing at times to the extremely damp, chilly atmosphere in winter, which seems to have a peculiar induence upon the nervous system so as to produce this affection, but happily for our comfort and the cure of the pain, St. Jacobs Oil is recognized as its sovereign remedy. With pain produced from cold there is an absolute need of the warmth and strength which lute need of the warmth and strength which St. Jacobs Oil gives, and through this means it performs its office promptly and strete.

If an Egyptian dies before noon the fuperal must take place the same day. If death occurs after noon, the funeral may not be delayed after the next day.

CUSTOMS CASES DECIDED.

The general appraisers of goods passing through the Custom House have made several decisions lately which, until passed upon by the Scoretary of the Treasury, will hold good. But while there is stability in that quarter, no system failing in strength can be properly sustained without the aid of Hostetter's Stomach litters, a genial tonic and remedy for malaria, rheumatism, dyspepsia, constipation and billousness.

The largest telegraph office in the world is in the general postoffice building, London, over 3,000 operators being employed.

The Power

of Schilling's Best baking powder is wonderful.

A Summer Novelty.

A summer novelty in jewelry will be studs and buttons and pins of carved pink and mother-of pearl set in silver, or with skeleton silver patterns cut out over the pearl.

SHAKE INTO YOUR SHOES.

Allen's Foot-Ease, a powder for the feet. Allen's Foot-Ease, a powder for the feet. It cures painful, swollen smarting feet and instantly takes the sting out of corns and bunions. It's the greatest comfort discovery of the age. Allen's Foot-Ease makes tight-atting or new shoes feel easy. It is a certain cure for chilbiains, sweating, damp, callous and hot, tired aching feet. We have over 10,000 testimonials of cures. Try it today. Sold by all druggists and shoestores. By mail for 25c, in stamps—Trial package FREE. Address Ailen S. Olmsted, Le Roy, N. Y.

According to Nilsson, the zoologist, the weight of the Greenland whale is 100 tons, or 224,000 pounds, or equal to that of 88 elephants or 440 bears.

AN OPEN LETTER TO MOTHERS.

We are asserting in the courts our right to the exclusive use of the word "CASTORIA," and "PITCHER'S CASTORIA," as our Trade Mark. I, Dr. Samuel Pitcher, of Hyannis, Massachusetts, was the originator of "PITCHER'S CASTORIA." the same that has borne and does now bear the fac-simile signature of CHAS, H. FLETCHER on every wrapper. This is the original "PITCHER'S CASTORIA" which has been used in the homes of the mothers of America for over thirty years Look Carefully at the wrapper and see that it is, the kind you have always bought, and has the signature of CHAS. H. FLETCHER on the wrapper. No one has authority from me to use my name except The Centaur Company of which

Chas, H. Fletcher is President. March 8, 1897. SAMUEL, PITCHER, M.D.

The largest hotel in the world is the Waldorf-Astoria, in New York city, a \$10,000,000 establishment, built by millionaires for millionaires.

FITS Permanently Cured. "ts or hervo isness Nerve Restorer. Send for Fit: Ke on trial bottle and treatise. DR. R. H. KLINE, Ltd., 330 Arch street, Philadelphia, Pa.

Pneumatic Crutch.

A new crutch for cripples has an oscillating arm rest pivoted to the top of the crutch and fitted with a pneumatic cushion set in the upper part of

I believe Piso's Cure is the only medicine that will cure consumption.—Anna M. Ross, Williamsport, Pa., Nov. 12, '95. It costs \$5.74 per million gallons to

pump water to Chestnut Hill reservoir, Boston. The engines pump 8,938 on one pound of coal.

After being swindled by all others, send us stamp for particulars of King Solomon's Treasure, the ONLY renewer of manly strength. MASON CHEMICAL CO., P. O. Box 747, Philadelphia, Pa.

To Prevent Trolley Accidents.

To prevent accidents on trolley cars the trucks are provided with forked frames, which extend on each side of the wheels and end in small wheels, resting on the track to push a person out of the way if he falls under the car, the wheels being so small that they will not pass over anything lying on the

Safety Lamp.

To prevent the escape of oil when a lamp is upset a plug of cork is fitted around the wick tube to form a tight joint with the reservoir tube when the burner is in position.

A fibrous preparation of steel, made in the same manner as the so-called "mineral wool," by passing an air blast through molten steel, is coming into use for cleaning, polishing, etc., instead of sandpaper.

Two New York men have invented an electric dental mallet for use in hardening tooth filling, the tool having a central bar, which slides back and forth as the current is made and broken.

In 1774 Philadelphia was the largest town in the American colonies. Estimates of the population, which are all we have, differ widely, but it was probably not far from 30,000.

Adding pencils are being made which have a sliding register plate set in the side of the pencil case to be raised by pressing the point of the pencil against the paper or desk and register any number of points.

PISO'S CURE FOR GURES WHERE ALL ELSE FAILS.
Best Cough Syrup. Tastes Good. Use in time. Bold by druggists. ONSUMPTION

A New Charm. Evidently women have tired of the

- James James Valley

WOMAN TO WOMAN.

Women are being taught by bitter

experience that many physicians can-

not successfully handle their peculiar

When the woman of to-day experi-

menstruction, pains in groins, bearing-

feeling and blues, she at once takes

Lydia E. Pinkham's Vegetable Com-

pound, feeling sure of obtaining im-

Should her symptoms be new to her,

she writes to a woman, Mrs. Pinkham,

Lynn, Mass., who promptly explains her case, and tells her free how to get

Indeed, so many women are now appealing to Mrs. Pinkham for advice,

that a score of lady secretaries are

kept constantly at work answering

the great volume of correspondence

which comes in every day.

mediate relief.

well.

down sensation, palpitation, "all gone

ences such symptoms

as backache, ner-

yousness, lassitude,

whites.

irregu-

ailments known as female diseases.

rabbit's foot as a charm, for they are now wearing a turkey's foot mounted in gold or silver, either as a chatelaine ornament or as a pin. Just what luck the turk-y's foot is supposed to carry with it is not known even to the enterprising jewelers who are selling these trinkets like hot cakes. It gives the average man a shiver to meet a pretty, dainty-looking girl with her Ascot tie held in place by a big turkey's foot, with outspread toes and long, skinny shank. He is apt to remark, not what will women be wearing next, but what won't they be wearing. Everybody who knows anything about it at all knows that the only rabbit's foot which has occult power is the foot of a molly cottontail that has been "killed in the full o' the moon at 12 o'clock at night in a graveyard by a red-headed nigger." A certain young woman who wears one of the charmed, but by no means charming, turkey's feet, says the foot is no good unless it belonged to a big fat gobbler which has been saved by the owner for some special occasion and stolen by a straight-haired darkey parson at midnight when the moon is new

Kitchen Table.

A handy device for kitchen use is a table having the top made of a series of shelves attached to a tilting frame by which the row of shelves can be raised to a vertical position and used as a

The Oldest Bank Note. The oldest bank note in the world was printed in China in 1368-32 years before Guttenburg, the reputed inventor of printing, was born. It was issued 300 years before bank notes were

Notwithstanding all the efforts of inventors, no one has been able to discover a substitute for leather. For shoes, belting, harness and c thousand other uses, "there,'s nothing like leather."

circulated in Europe.

A resolution appropriating \$5 to pur chase a copy of the Bible was recently introduced in the Georgia legislature, it having been discovered that there was no copy of the book in the state library.

HOME PRODUCTS AND PURE FOOD.

All Eastern Syrup, so-called, usually very light colored and of heavy body, is made from glucose. "Tea Garden Deine" is made from Sugar Cane and is strictly pure. It is for saie by first-class grocers, in cans only. Manufactured by the Facilyic Coart Syrup Co. All genture "Tea Garden Drine" have the manufacture nine "Tea Garden Drips" have the manufacturer's name lithographed on every can.

Double End Toe Clips. Double-ended toe-clips are being made in England for use on bicycles, the toe pieces extending on opposite sides of the pedal and balancing in any position.

CATARRH CANNOT BE CURED

With local applications, as they cannot reach the seat of the disease. Ca arrh is a blood or constitutional disease, and in order to cure it you must take internal remedies. Hall's Caliarth Cure is taken internally, and acts directly on the blood and mucous surfaces. Hall's Caliarth Cure is not a quack medicine. It was prescribed by one of the best physicians in this country for years, and is a regular prescription. It is compassed of the best tonics known, combined with the best blood purifiers, acting directly on the uncous surfaces. The perfect combination of the two ingredients is what produces such wonderful results in curing gatarth. Send for testimonials, free.

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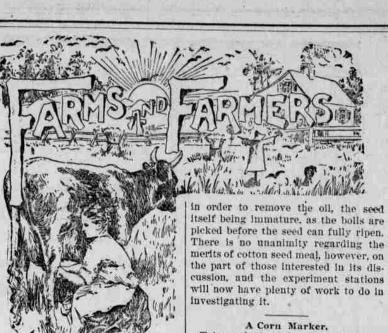
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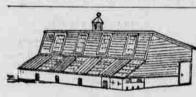
Cor. Second and Stark Sts.

.....PORTLAND, OREGON



Poultry keepers, as a rule, are not

fowls may be let.



Steam Engines for Farm Use. Because farmers always have horse

strap (d) until it hugs the end (b). When To Cook Feed. doing this, the knot (a) is liable to 'cos-The Iowa Homestead presents a plan en, which must be prevented by holding for cooking feed for poultry or pigs at it with thumb and forefinger of one times when it may not be convenient hand while the other does the pulling. to build a fire. Place an old keg or Then draw the end (b) through the half barrel in a box and pack around drawn-up loop (c), Fig. 2, as far as posit with straw or chaff. Provide both sible, and you will have a tie that no barrel and box with tight fitting lids. animal is able to undo. Then, having mixed the feed with hot water, put it in the inner receptacle and



place both lids in position. The mess

The tendency to feed cattle and not raise them is growing more popular with the farmers of the Middle West of soil and season vary so much from every year. This is a short cut to quick returns, and saves about two years' the stock cattle, but as this part of the same farm on which they were the industry can be carried on more cheaply on the big ranches, farmers who raise corn prefer to let them have a monopoly on the breeding and rais-

Cotton Seed Meal.

After extolling the merits of cotton ing to the conditions of the growth of the plant and the treatment of the seed ton seed meal is the product of ground

Two Pioneers Who Invaded the Frozen

Christianity invaded Alaska before gold seekers made that the end-of-thecentury Mecca. The Presbyterian Church sent a missionary and his wife to that frigid land to care for the souis of the grimy natives long before the yellow metal became the motive of pilgrimage. Rev. V. C. Gambell and his wife went north as missionaries for the Presbyterian Church and as government teachers of the natives. It was quite a while ago, when few persons but the totem pole Indians lived in the acquired territory, that Mr. and Mrs. Gambell departed for their unpromising field of labor. It will be seen that they speedily adopted the cumbrous will now have plenty of work to do in and uncouth but comfortable gare of the Indians. Nothing less would make life there possible, even to those born in that land. They believed before going that gold was not the only thing to found in Alaska. Gold is nothing to these earnest, faithful laborers in comparison to human souls. They have lived among the natives long enough to have become contented with their lot and to love the people to whom they have devoted their lives. In the course of their ministrations they have traveled all through the portion of the territory where the gold finds have been most prolific of wealth. They know as



two ends to turn. The hinge in the

ground, even if it is not very level .-

The Middleman a Necessity.

farmer had a thousand bushels of

wheat to sell be could never retail it.

He is compelled to sell in bulk or lose

more time than the wheat is worth.

and they are also consumers. The farmer can get rid of the middlemen to

a certain extent by seeking markets

near home for articles that are readily

salable, such as butter and eggs, but if

he buys from his neighbor any of the

articles he sells them he, too, becomes

a middleman, as he handles the product

of his neighbor between the producer

How to Tie a Strap. The illustration shows both the right

and the wrong way of tying either

leather straps or ropes, says a corre-

spondent of Farm and Fireside, Fig. 1

is not reliable, although it may answer

could not get loose I would not stop

short of the tie, Fig. 2. This is the

same as Fig. 1, except that every part

of it is drawn up tight. To make it, tie

the common bowknot, Fig. 3, drawing

WRONG AND RIGHT WAY.

(b) of the strap through the bow or loop

(c), and draw the loop by pulling at

Old Ideas.

they term "fancy farming," who be-

lleve in giving a sick cow a piece of

salt beef to "bring back her cud."

It is then decided that she has "lost her

cud," and she is treated for its restora-

tion, when in fact the chewing of the

the food into the mouth from a large

storage stomach to be chewed and then

swallowed, the food passing into a

smaller stomach for digestion. Hun-

dreds of cows, however, are treated for

as a remedy for "hollow horn."

"loss of cud," and their horns are bored

Pioneer Farming.

In the general work of the farm it is

impossible to lay down rigid rules and

live up to them for any considerable

length of time without loss. Conditions

year to year that only elastic rules in-

telligently fitted will stand the strain.

even when kept within the bounds of

adopted, while with a change of loca-

tion difficulties increase. The ploaeer

must work out many problems for nim-

self, there being no "experience of oth-

Why He's Flow.

The farm hand working in the field,

And slowly brushes off the flies.

The day is long, the sun is hot; He smells the dinner in the pot.

(Time is a laggard—slow to yield), Watches the sun with anxious eyes,

He's working by the month, you know,

And that's what makes the man so slow.

Whitewash.

When making whitewash use lime

and skim milk and the whitewash will

last longer. If a red color is desired

use fresh bullock's blood, which will

still further improve it. The mixture

soon becomes almost insoluble.

ers" to go by.

The middleman is a necessity. If a

Farmers' Advocate.

and consumer.

the domestic lives of the natives.

In that country-so they say-when

case the debt is held to be canceled.

"An uncle of theirs was accepted as a juror last week."

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It conveys a stendy, soothing current of elec-tricity into the weakened muscles, giving them a healthy nerve power which revives them. It makes them strong. It is curing hundreds every month.

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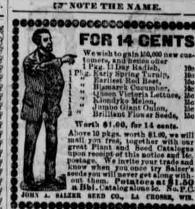
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IVER Is it Wrong? Get it Right. Keep it Right.

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