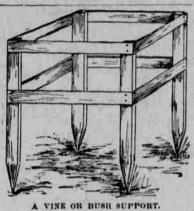


The Illustration herewith, taken from Farm and Home, shows the construction of a support for raspberry bushes, tomato vines, etc. The corner posts are 11/2 to 2 inches square, and about 2 feet or more long, as desired, and sharpened so as to be easily pushed by therefore, that one cow, giving 350 hand into the ground. Slats or cross pieces are of lath and two or more feet long, to suit whatever is to be trellised. By use of something of this sort the vines or bushes are kept up off the ground so that light and air can freely circulate through and about the base of plants, causing greater productive-



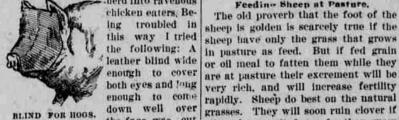
ness, better quality of fruit, and doing away with much loss, decay and inconvenience in gathering. With care, a score or two of frames will last for years, providing they are removed at the close of the season and put away under shelter.

Spraying Mixture.

A spraying mixture, claimed to be cheaper than parls green, is composed as follows: Two pounds white arsenic, eight pounds sal sods and forty pounds lime, the total cost of the spraying mixture being 70 cents, or 31/4 cents per barrel as a solution. The quantities mentioned will make 800 gallons of spraying mixture. Dissolve the arsenic by boiling with carbonate of soda in two gallons of water (ordinary washing soda), which mixture can be kept always ready for use. Boil in an old iron pot for fifteen minutes, or until the arsenic is dissolved. When wanted for use slake two pounds of lime and add forty gallons of water. Into this pour a pint of the arsenic mixture. This preparation will not burn the leaves of plants, It makes a milky-colored spray, which can easily be seen on the plants, and in not only cheaper than paris green, but more uniform in strength and fully as efficacious,

For Chicken-Enting Hora, A chicken catcher in a herd of hogs

is most exasperating and expensive. One such will soon transform a whole - berd into ravenous chicken eaters. Be ing troubled in this way I tried the following: A in pasture as feed. But if fed grain leather blind wide



the face was cut from an old boot leg. The chicken thief was then caught, and pulling the ears forward, the top corpers of the blind were fastened to them by means of pinchers and rings, such as are put in the snouts of pigs to prevent rooting. This blind will not prevent the hog from seeing his legitimate food. but it does prevent him seeing chickcus unless they are under his very nose, and then if he attempts pursuit the chances are that he brings his nose in violent contact with the fence or some other obstruction. A few such lessons and he concludes that he is no longer partial to chicken. A month of "leather specs" cured our most ravenous thief, and by blinding only the ring leaders the whole herd was soon as docile as well behaved pockers should be.-Orange Judd Farmer.

Grow Medicinal Plants. Many medicinal plants can be grown with profit, as the demand for some kinds is increasing. Absinthe (wormwood) can be raised as far north as New England, and this country imports it from Europe. Saffron, which sells for \$5 per pound, may be grown in nearly all sections. Peppermint and spearmint find ready sale, and sage, which is well-known to every farmer, is imported, frequently selling at \$150 per ton. Then there are hoarhound, boneset, mandrake, blood root, pennyroyal, etc., which are regarded as weeds in some localities, all of which are largely used and have a value in market.

The Combs of Fowls.

It is by closely watching the combs of fowls that the experienced poulterer can decide which are about to go into the moulting period and which therefore will require extra care and feed. It is a decided advantage to have the fowls begin moulting thus early, for such hens will be full feathered in fall ly or chased by dogs in going to o and be good fall and winter layers. from the pastures.—Farmers' Union.

ENTERPRISES OF GREAT PITH

Have, ere now, had their currents "turned awry," as Hamlet says, by an attack of dyspepsia. Napoleon failed to improve his advantage at Austerlitz in consequence, it is said, of indigestion brought on by some indiscretion in eating. In order to avoid dyspepsia, abstain from over induigence, and precede the meal by a wineglassful of Hostetter's Stomach Bitters, more effective than any dieteric in improving the tone of the stomach. Liver complaint, chills and fever, and rheumatism are annihilated by the Bitters.

In Rome there are few houses bearing the number 13. Nearly all the houses that should bear those figures are marked 12B or 14A.

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. SAMURL PITCHER, M.D.

Profit in Cows.

a year will give four times the profit

that will be derived from a cow pro-

ducing 200 pounds of butter per year, as

the first 150 pounds must be charged to

the cow as an expense. It can be seen,

pounds of butter in a year, is equal, in

the profit given by her, to four cows

which produce 200 pounds each during

the same time. The one cow will take

up less room than will four. These

facts show where the profit from dairy-

White Grubs and Strawberries. If, in plowing land to prepare it for

planting, a great many of the white or

brown grubs are seen, there is no use

in planting it with strawberries. The

othy sod, the parent bug selecting such

the surface of the ground in the tim-

the grub. Many pleces of timothy are

every year ruined by this pest, but the

loss of grass does not involve so much

labor as where strawberries are plant-

ed and cared for, only to be destroyed.

Potash for Potators Potash is the mineral that is most

much better distributed as a top dress-

ing over the whole surface than applied

with the seed potatoes in the hill. The

potato roots very early in their growth

fill the soll between the rows. When

mineral manures are applied in the hill.

unless care is taken to mix them thor-

oughly with the soil, they may eat into

the cut seed, and effectually destroy the

Gats Fratening.

Here is a simple device for fasten-

ing a farm gate that can be made by

anyone handy with tools. It consists

side, fastened with bolts. Between

them, for convenience in drawing the

bolt back, is a handle. The wooden

bolt works through a slot in the post

and swings loose. It opens easily by

merely pulling it back and fastens au-

tomatically, as the gate shuts by its

own weight, dropping into the slot in

the post, the opening being beveled to

Feeding Sheep at Pasture.

The old proverb that the foot of the

sheep is golden is scarcely true if the

sheep have only the grass that grows

or oil meal to fatten them while they

very rich, and will increase fertility

allowed to eat it down, for they gnaw

closer to the soil than any other domes-

Farm Notes.

Thoroughness in cultivation is essen-

Rough broken lands are well adapted

Always select the largest and most

Unless a cow is a good breeder she

length and from

two to three

inches in width.

This is hung

from one of the

rails by four

pleces of

surface there is no danger of this.

GOOD GATE LATCH.

allow it to enter easily.

tie animal can do.

to sheep pasturing.

in the stables.

convert it into fat.

produce growthy stock.

upon one kind of crop.

of hog cholers.

good winter feed.

when the plants are in full bloom.

Given the run of a good pasture sup-

plying pure water and keeping the

quarters clean, are good preventives

With improved machinery hay can

be harvested and mowed at a com-

paratively low cost, and it makes a

Cows that are giving milk may be

greatly injured by being driven rapid-

growthy sows for breeders.

should not be kept on the farm.

production as much as possible.

best adapted to the average farmer.

It is poor economy to stack the hay

or straw where the stock can run to it

Lights in the rear of the horses is

best for the eyes of the animals when

ing is derived.

The Lord Mayor's Robe. The lord mayor of London is entitled to wear an earl's robe whenever a crowned head visits the city. The present lord mayor had such a robe made for use at the recent jubilee festivities which cost him £500.

A little thing happened down at the home of Schilling's Best tea the other day that cost the firm a clean \$200, and the most interesting feature of the matter is that they could have got out of paying it if they wanted to-because it was a voluntary thing and no one expected them to do it.

white grub almost always infests a tim-It seems that, in the earlier part of the missing word contest, A. Schilling sod to lay her egg, as the bulb just at & Co. promised \$100 each to the two persons who sent in the largest number othy plant is a favorite morsel with of Schilling's Best yellow tickets before

It seems fair that the consumers of a profit on the tea. But two grocers about? Repo won the prizes, and A. Schilling & Co. out.—Tit-Bits. paid the money. needed for the potato crop. But it is

Now comes the funny part-they wanted consumers to get \$200, and were determined they should. So they paid another \$200 to the two consumers who had sent in the two largest numbers of

That is handsome, to say the least.

Among the botanical curiosities which have been found in the isthmus germ. When used broadcast on the of Tehnantepec, lately much explored by naturalists, is a botanical clock. It is a flower which in the morning is white, at noon is red, and at night blue, and the alterations of color are so regular that the time of day can be told of a plece of hard wood of from the tint of the flower. any desired

It is well known that continued darkness has caused the vision of animals to become partially destroyed.

HOITT'S SCHOOL.

Nowhere are boys better cared for and more thoroughly taught than at Holtt's School, Burlingame, San Matec county, Cal. In charge of Ira G. Holtt, Ph. D. Reopens August 10th.—San Francisco Chronicle. iron, two on each

> The Bank of England was opened 202 years ago.

> > HOW'S THIS?

We offer One Hundred Dollars Reward for any case of Cutarrh that cannot be cired by Hall's Catarrh Cure.

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

WEST & TRUAX.

Wholesale Druggists, Tolcdo, O. WALDING, KINNAN & MARVIN, Wholesale Druggists, Tsledo, O. Hall's Catarrh Cure is taken internally, acting directly upon the blood and mucous surfaces of the system. Price 75c, per bottle. Sold by all druggists. Testimonials free.

Hall's family pills are the best.

rapidly. Sheep do best on the natural Football was a crime in England durgrasses. They will soon ruin clover if ing the reign of Henry VIII.

I shall recommend Piso's Cure for Consumption far and wide.—Mrs. Mulligan, Plumstead, Kent, England, Nov. 8, 1895.

The stargazers of the Mount Hamilton observatory say that there are five hundred million burning suns in the milky way.

TO MOTHERS OF LARGE FAMILIES

In this workaday world few women are so placed that physical exertion To meet low prices lessen the cost of is not constantly demanded of them in their daily life. Mixed farming and stock raising is

Mrs. Pinkham makes a special appeal to mothers of large families whose work is never done, and many of whom suffer and suffer for lack of intelligent aid.

To women, young or old, rich or poor. Mrs. Pinkham, of Lynn, Mass., extends her invitation of free advice. Oh, vomen! do

not let your lives be sacrificed when a ord from Mrs. Pinkham, at

the first approach of weakness, may fill your future years with healthy joy. Mrs. A. C. Buhler, 1123 North Albany avenue, near Humboldt Park, Chicago, Ill., says: "I am fifty-one walk any distance. I began the use have cured me. I cannot praise your medicine enough."

Macdonald-Hoot, mon: McDonnell -Oi'll not! D' yez take me for a domned owl?-Puck.

"So, Miss Smith, all is over between "You've hit it." "Then give me back the presents I promised you."-

Mr. Ipstein-Does dot novel end up sad, or odervise? Mrs. Ipstein-It ends fine! Eferybody gets rich in der last chapter.-Puck.

"I awoke to find the house full of smoke." "Gracious! And you didn't lose your head?" "No; I held my nose," -Detroit Journal.

"Arthur, dear, have you spoken with father about our engagement?" can't find him anywhere-he owes me some money."-Ex.

Dibman-Did your watch stop when you dropped it on the floor? Magley-Of course it did. Did you think it would go through?-Tit-Bits.

Minor Poet-Ah, how do? Did you get my book I sent you yesterday? Hostess-Delightful! I couldn't sleep till I'd read it!-Punch.

He (sympathizing with his bride, who has just been stung)-How intelligent was that bee, my dear, to know that we're on our honeymoon!-Judy.

Gadzooks-The Greeks might have saved themselves by a rapid advance. Zounds-They seemed to think they could save themselves better by a rapid

Teacher (angrily)-Why don't you answer my question, Bobby? His Brother Tommy (answering for him)-Please, sir, he's got a peppermint in his speech.

the tea should get those prizes. A Reporter—That fellow who wanted grocer has a better opportunity for colecting tickets; and then, too, he makes to-day. Oh, he was mad! Editor-What about? Reporter-It seems we kept it

> stone in this ring you gave me is imitation?" "Oh, like enough. I never was very strong in mineralogy."-Humoristische Blatter. The Wife-I think we ought to have

"How is this, count, they say the

daughter's voice cultivated, John, if it doesn't cost too much. The Husband-It can't cost too much, my dear, if it will improve it any .- Puck. "Half the world," sagely observed Mr.

Billus, "never knows what the other half is doing." "That's generally true." retorted Mrs. Billus, eying him sharply, "as to the better half."-Ohicago Fuddy-You call money "stamps."

don't you? Duddy-Yes. Fuddy-And money is currency. So I suppose that when you speak of an elastic currency you refer to rubber stamps.-Boston She-How funny that you should be a

Presbyterian, while your wife is an Episcopalian! He-What makes you think she is an Episcopalian? She-Didn't you say she was a confirmed invalid?-New York Press. "McGibbs is a contemptible creature."

'In what particular way?" "Well, he is the kind of man who would send another man a Sunday newspaper without marking the article he wants him .o read."-Chicago Times-Herald.

Good Idea.-Mrs. Tenspot-Isn't It odd that the encores are always much more enjoyable than the regular numbers on the program? Mr. Tenspot-Yes, it is. I wonder why they don't sing the encores first?-Judge,

A scientist says that every healthy boy should be able to drop off to sleep in ten minutes. This does not mean office boys, who are expected to do the same thing in one and three-quarters minutes.-Philadelphia Inquirer.

"You want to marry my daughter, eh?" said the practical man; "we... what provision have you made for the "Oh, as to that," replied the future?" suitor, "I'll join the church right away." -Philadelphia North American.

Squildig-I thought that baseball was not played in England? McSwilligen-It isn't. Squildig-Then what is this diamond jubilee they are making such extensive preparations for in London? -Pittsburg Chronicle-Telegraph,

"Mrs. Higgins is still wildly in love with her husband." "Does she put the buttons in his shirts for him yet?" 'No; but he told her he sat up all night playing poker without any stakes and she believes him."-Detroit Free Press.

At the Intelligence Office,-"Have you any cooks that weigh 200 pounds?" "Goodness! What do you want with such a big one?" "Well, we would like one that won't be always trying to ride my wife's wheel on the sly."-Detroit Free Press.

"You may talk as you like," said a solid citizen, "but there was one good thing about the gladiatorial fights of olden times." "What was that?" "The loser never had a chance to talk to the papers and explain why he lost."-Boston Herald.

'Say," remarked the war editor. "I don't see how Turkey ever got her forces transported into Greece, do "Certainly," replied the political editor; "she got hold of all the passes, Ask me something hard."-Cincinnati Commercial Tribane

An Interpretation.-"I wonder," said Mrs. Cumrox thoughtfully, "what that nice, old-fashioned lady means by putting 'P. P. C.' on her card." means she is going away," replied her daughter. "Oh, I see, and she wants us to know that she is going to travel in a Puliman palace car."—Washington

\$10000

Who will get it?

Schilling's Best tea is not only pure but it is----?---because it is fresh-roasted.

What is the missing word?

Get Schilling's Best tea at your grocer's; take out the Yellow Ticket (there is one in every package); send it with your guess to address below before August 31st.

One word allowed for every yellow ticket.

If only one person finds the word, he gets one thousand dollars. If several find it, the money will be divided equally among them.

Every one sending a yellow ticket will get a set of cardboard creeping babies at the end of the contest Those sending three or more in one envelope will receive a charming 1898 calendar, no advertisement on it.

Besides this thousand dollars, we will pay \$150 each to the two persons who send in the largest number of yellow tickets in one envelope between June 15 and the end of the contest-August 31st.

Cut this out. You won't see it again for two weeks.

Address: SCHILLING'S BEST TEA SAN FRANCISCO.

CHEAPEST POWER.

...REBUILT GAS AND GASOLINE ENGINES....

405-7 Sansome St. San Francisco, Cal.

Prussia's Amber Monopoly.

owns the two best mines, the Palmnick-

en and Kraxtepelle. For the concession

it has, according to a report from the

British consul at Dantzig, to pay to the

German government a royalty of 650,-

000 marks a year. It is reckoned, says

the London News, that this firm has,

up to now, paid no less than \$1,000,-

000 in royalties to the German govern-

ment. In addition to the output from

the mines in 1895, a good deal of amber

was picked up on the beach at the Pil-

lau, in the province of East Prussia,

being washed up with the seawood dur-

ing the prevalence of northwesterly gales. The shore at Pillau after a storm

s sometimes covered with a layer of

seaweed three feet thick, among which the amber is found entangled. Men,

women and children find easy and lu-

crative employment in searching for the

amber along this part of the amber

coast. The people engaged in this pre-

carious work often earn \$6 a day or more. In 1895 about 100 tons of raw

amber came to Dantzig to be worked

up, as compared with 140 tons in 1894.

It is nearly all melted to make lac and varnish. The larger pieces are also

made into beads, which are sent all over the world. The beads known to

the trade as the Leghorn corals, are in

Russian Railroads.

Russia, with over 4,875,200 square

miles more than the United States, has

158,000 miles less of railroads, says

the Boston Courier. Most of the en-

gines burn naphtha oil for fuel, with

excellent results. This oil is the ref-

use from the first refining and costs

about 40 cents per barrel. This oil is

also used for general lubricating pur-

poses. None of the engines have bells,

but instead they have two whistles.

The engines are finely painted, the wheels red, the frame black, jacket

and cab green, with a fine black stripe;

the inside of cabs nearly white, or

cream color. The speed of freight

trains is limited to 20 miles an hour.

and the fast express is limited to 35

miles per hour. In switching and

making up of trains all signals are

given by sound-that is, the switchman

has a tin horn which he blows and the

engine driver is obliged to repeat this

ahead. When and engine stops the en-

gineer is required to give three short

Singular Effects of Cold.

500 degrees Fahrenheit below zero, ac-

cording to the experiments of M. Pictet

gives out, when struck, a pure musical

sound. Solidified mercury, at the same

temperature, is also resonant, while a

coil of magnesium wire vibrates like a

The Kiel canal is lighted over 62

miles by electricity, and is the longest

distance in the world lighted continu-

DRUNKARDS CANSEED

The mean temperature of the earth

taken as a whole, is 50 degrees F., and the average annual rainfall is 30 inches.

RUPTURE and PILES cured; no pay un til cured; send for book. Drs. Masserkid Portengialo, 338 Market St., San Francisco.

steel spring.

ously in that way.

A bar of lead cooled to a point about

by whistle before he goes

strong demand.

TTERCULES GAS **ENGINE WORKS**

State

monopoly in the hands of a firm which Agricultural OF OREGON College... SCIENTIFIC FQUIPMENT

THE BEST IN THE STATE. Military training by United States officer.
Twenty-two instructors.
surroundings healthful and moral.
Free tuition! Na incidental fees!
Expenses, including board, room, clothing,
vashing, books, etc., about \$130 per school year.

Fall Term Opens September 20. THOMAS M. GATCH, Pres.,



ERIE MEDICAL CO.,

BASE BALL GOODS Special Rates

We carry the most complete line of Gymnasium and Athletic Goods on the Coast SUITS AND UNIFORMS MADE TO ORDER. Send for Our Athletic Catalogue. WILL & FINCK CO.,



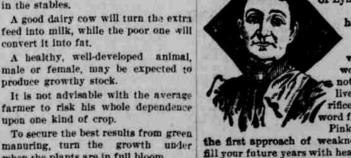
Its soothing, warming, invigorating current penetrates the weakened tissues, sends the life-blood bounding through your veins, relieves the pain, takes out the soreness, warms, tones and strengthens, ture and Cures



Perminently. It is worn while you sleep, and can be regulated. Read about it in the little book "Three Classes of Men," free by mail or at the

physician's advice

SANDEN ELECTRIC BELT CO.



years old and have had twelve children, and my youngest is eight years old. I have been suffering for some time with a terrible weakness; that bearing-down feeling was dreadful, and I could not of Lydia E. Pinkham's Vegetable Compound and Sanative Wash and they