

parts of the farm, and the grade should

be light, about four feet to the mile be-

ing about what ordinary soils will best

stand. The ditch should always be

larger than is apparently necessary.

Both ditch and bank should be built

broad, and particular care given to pre-

vent the liability of a little stream of

water starting and cutting away both

ditch and bank and inundating the

A Rustic Plant Stands

To utilize a stand of Nature's own

fashioning, com-

r:on tree limbs

section of an ap-

picturesque and

suitable. It may

le placed at the

plants in large

vaset, or a basket containing trail-

LAWN PLANT STAND. hig plants looks

well placed upon 't. Set firmly in the

ground, as it is intended to be station-

Muck Overestimated. Many people still think that black,

mucky soil must necessarily be very

rich. But the fact that it remains

it, when dry earth from the side of the

road, with much less vegetable matter,

would be much better. Most muck,

popular. But it needs both ammonia

and potash to give the best results.

Comfort for Cows in Fummer.

It is the interest of the dairyman to

keep his cows at all times as comfort-

able as possible. This means the con-

tented chewing of the cud, which the

cow will do after her work of filling her

stomach during the first hour of pas-

ture in the morning. But how can a

cow do this? It is impossible while she

lies exposed to hot sunlight and the at-

tacks of flies. Since the horn fly has

bling of cows in a dark, cool stable is

Calf's Drinking Pull.

Calves during the first summer are

frequently pastured in an orchard or

tethered by a rope near the barn. In

either case water must be carried to

PATE POR THE CALF.

them and their pail is very likely to be

tipped over. Make a frame with spread-

ing legs, like that shown in the cut-

just large enough for the pail to set in-

side-and no trouble will be experi-

Tobacco Plants.

To have stout, stocky plants, the

beds should be kept free from weeds,

and, if they too thick in a row, thin

them out. The small plants can be

transplanted and, if shaded for a few

days, will soon take root. If the plants

are small and yellow, sow a little phos-

phate between the rows and work it

In with a rake. If the ground is dry,

water it. The phosphate will make the

plants grow vigorously. Aim to grow

Working Implements.

Hand work will not pay. Let the

horses do the work. A steel harrow

and a good sulky cultivator will work

the corn, potato and vegetable crops at

one-third the cost, and work them far

Farm Notes,

Do not let up on the cultivation until

Cleaning up the farm will add ma-

Convert cheap grain into meat before

To grow good wool keep sheep in a

When the cultivation is finished put

The good farmer is known by his

Growing a crop of clover will add to

Feed to make the greatest size in the

Good pastures may be considered the

Old sheep should be fattened and

The marketing of the products in the

An advantage in keeping stock in a

good condition is that it is always sal-

marketed while pasturage is good.

best condition is where the profits lie,

none but strong, stout plants,

better.

the crop is made.

terially to its value.

sending it to market.

uniformly thrifty condition.

the cultivator under shelter.

clean farm and thrifty stock.

the store of nitrogen in the soil.

shortest time at the lowest cost.

foundation of successful farming.

enced.-American Agriculturist.

Harvesting and Ftacking Grain, ments used on the farm, there is none so delicate and complicated, or requir-

ing the exercise of more skill and inenuity on the part of the operator, than the self-binding harvester. The standard machines of to-day are the result of a long and thorough course of development and improvement. The saying "Care makes luck" will apply to running a binder if BADLY FORMED BUNDLE. to anything; If the

parts get out of order don't lose your head over it, but deliberately set about to repair the break or straighten out the difficulty. Poor twine is responsible for much fussing in the harvest field. It is nearly impossible to do good, even work with poor, uneven twine. The best twine is pure manilla; but so much so-called manilla is poor manilla, that much of the good, even grade, new, white stsal is as satisfactory. As machines become old they usually prefer a coarser grade of twine

er days Good reeling is indispensable to square, wellformed bundles. The reel should not run parallel with sickle, but the outer end should stand several inches forward in order to place grain upon platform with butts in advance of heads, as the butts

are always retarded by coming in contact with the falling grain. In standing grain, the machine should run about level. It takes but a moment when starting up a grade to tilt the machine forward, and vice versa. It should be so well balanced that the tongue will play on the neck yoke much amount of feed will keep a cow to her of the time. It is cheaper and more milk when she is exposed all day withhumane to carry the machine on its out shade to broiling sun and is torwheels than on the horses' necks. It | mented by flies. should, therefore, be tilted back when the driver leaves his seat; if it stands long the binder may be shifted back elso.-Farm and Home.

Machinery vs. Hired Help.

Farm work is now everywhere done with much less manual labor than used to be the fact before labor saving machinery was invented. One man will now do the labor of four or five, and will also generally do it better. Even if it were not so, the difficulty of securing sufficient help would make the machinery necessary. It is not certain either that the better care given improved implements on small Eastern farms does not make their use pay as well as it does on the large farms of the far West. Almost all Eastern farmers house their farm implements when they are not in use. Even the grain is not put under shelter in the West, but is rushed from the field to elevators and stored there. The lack of buildings to shelter improved implements at the West makes their working life much shorter than it ought to be.-American Cultivator.

Post and Roof Staging.

The post staging b is easily put up, firm to walk upon and readily taken down. If there are windows where the staging comes, nail to each side of the casing. For putting on the shingles, a



will be found convenient and will not injure the shingles already put on. It is made by nalling three shingles to a 2x4 or 3x4 scantling; c is a line used in putting on the shingles.-Orange Judd Farmer.

Capital in Farming.

The great drawback to good farming is lack of capital. A farmer should have a cash capital of \$10 for every acre he farms, and a trucker or gardener \$20 per acre, at least. With a working capital of several hundred dollars, advantage can be taken of the labor, feed and fertilizer market, and in a monthly outlay of from \$300 to \$400 a saving of from \$15 to \$25 can often be made, which will pay the wages of one man for a month, Farmers should be able to get money as low as 3 per cent., as their security is am-

Irrigation on the Farm. In laying out a system of ditches for irrigation purposes good care and time should be observed. Ditch lines should be run as much as possible on the high able. TWO MIGHTY CONTINENTS,

North and South America, besides Guatemala, the West Indies, Australia, and even Europe, are the fields of usefulness in which Hostetter's Stomach Bitters has demonstrated its value as an antidote to malaria, and as a remedy for dyspepsia, constipation, rheumatism, neuralgia, biliousness, nervousness, and loss of appetite and sleep. The inhabitants, the medical men of these countries, have spoken in no uncertain tones concerning the efficacy of the great household remedy.

Cost of Ships and Guns. Since 1885 the British parliament has voted \$541,000,000 for new warships and modern naval guns.

AN OPEN LETTER TO MOTHERS.

We are asserting in the courts our right to the exclusive use of the word "CASTOKIA," and "PITCHER'S CASTOKIA," as our Trade Mark. I, Dr. Samuel Pitcher, of Hyannis, Massachusetts, was the originator of "PITCHER'S CASTORIA," 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. PLETCHER 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.

can be used, A He tree, gnarled There are 28 acres of land to every and crooked, is inhabitant of the globe

HOITT'S SCHOOL FOR BOYS.

Accredited at the State and Stanford Universities. A first-class Home School. Careful supervision and thorough training in every respect. Seventh year begins August 10th. Ira G. Hottt, Ph. D., Principal, Burlingame, San Mateo county, Cal. intersection of walks and made useful by holding

Chair Rents in Paris Parks.

Paris manages to make 150,000 france a year from permits to let chairs in the squares and gardens for the accommodation of promenaders.

DRUNKARDS CAN SEVED

The craving for drink is a disease, a marvelou cure for which has been discovered called "Anti Jag," which makes the inebriate lose all taste for strong drink without knowing why, as it can be given secretly in tea, coffee, soup and the like.

If "Anti-Jag" is not kept by your druggist semone dollar to the Benova Chemical Co., 69 Broad way, New York, and it will be sent postpaid, it plain wrapper, with full directions how to give secretly. Information mailed free, without fermentation shows either that it has little nitrogenous value, or that it is so saturated with water that it has become sour. Yet we have known

many city people buy black muck from The new rifle supplied to the Italian swamps to pot flowers in, and pay 25 army has a capacity of 24 shots a mincents to 50 cents per bushel basket for

HOW'S THIS?

especially from swamps, lacks mineral fertility. It is easy to handle and to work in, and this is what makes it

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

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

West & TRUAK.

Wholesale Druggists, Toledo, O. WALDING, KINNAN & MARVIN, Wholesale Druggists, Taledo, 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.

For lung and chest diseases, Piso's Cure is the best medicine we have used.—Mrs. J. L. Northcott, Windsor, Ont., Canada.

Frozen Lamb for London.

become widely prevalent, summer sta-Some 18 years ago the flock owners of Australia, finding that there was a fair more necessary during the middle of ma ket in England for canned mutton, the day than it ever was before. No determined to try the experiment of exporting the fresh-killed meat in a frozen state. Sheep which had been bred with a view to producing wool rather than for table use, did not at first find favor with the public, besides which an occasional breakdown in the refrigerating machinery often rendered the experiment an expensive one for the shipper. New Zealand sheep were found to be of a much better quality, and by degrees difficulties were surmounted and prejudices overcome until New Zealand mutton has become as common an object in London meat markets as the home-grown article. Owing to the difference in the seasons on the other side of the equator, lambs are ready for export about Christmas time, so that they can be placed on the London market earlier in the season than those raised at home. The carcasses are first cooled and then slightly frozen on shore; they are then transferred to a dry chamber on board ship where the temperature is steadily maintained at a few degrees below freezing. On their arrival in port they are again transferred to a cold-storage chamber and kept there until wanted.

MRS. ELLA M'GARVY.

Writing to Mrs. Pinkham,

Says:-I have been using your Vegetable Compound and find that it does all that it is recommended to do. I have been a sufferer for the last four

years with womb trouble, weak back and excretions. I was hardly able to do my household duties, and while about my work was so nervous that I was miserable. I had

also given up in despair, when I was persuaded to try Lydia E. Pinkham's Vegetable Compound, and to-day, I am feeling like a new woman -MRS. ELLA McGARVY, Neebe Road Station. Cincinnati, O.

Lydia E. Pinkham's Liver Pills work in unison with the Compound and are a sure cure for constipation and sick-headache. Mrs. Pinkham' Sanative Wash is frequently found of great value for local application. Correspondence is freely solicited by the Lydia E. Pinkham Medicine Co., Lynn, Mass., and the strictest confidence as sured. All druggists sell the Pinkham's remedies. The Vegetable Com-

and Lozenges.

TRUMPET CALLS.

Ram's Horn Sounds a Warning Note

HE wish to shine makes men fools. The devil's head feelings.

is longer than his Don't try to impart ideas by your

The man who can tell all he knows of religion knows very little. The profit on whisky is conspic-

uously advertised in the clothing of the saloon-keeper's wife. You cannot fool God with a pinch of

A little sin has as much death in it as a big one.

The gurgling of the faucet is the dev-Make a call too short, rather than be

yawned out. The was is not over because we have lost a battle.

Whoever knows God well wants to know him better.

Some would rather face a cannon than their own evils.

Prayer is always casy, when we kneel on praying ground. The man who knows how to live well

will not have to learn bow to die well. Our prayers for guidance will not be heard, unless we are willing to be led. The devil has to fight hard for all he gets in every home where Christ is

In the robin redbreast speaks the same Christ who came to "seek and save.

Nature is God's; botany and geology are man's; so religion is divine, theology human.

The man weighs little on the Lord's side who is not throwing an ounce of

weight against the saloon. The prohibition that gives society the children who never saw a drunkard can't be such a big failure.

The Creator expends so much force in sunsets and apple blossoms that there must be some great use in mere

If you want to know the spring, open your heart, so, also, if you would know Christ, Knowledge bloats; love devel-

God never made the world for an spothecary shop or a chemical laboratory, but for a temple; the final word of nature is spiritual.

Wooden Shors.

There are several wooden shoe fac-tories in America. The Hollanders brought these durable foot coverings from the old country, and were long made sport of by the irreverent. But the Americans have, within a few years, been coming to the conclusion that in adopting the wooden footwear the Du ch had pretty level heads. The shoes are especially desirable for work in laundries, breweries, and stables, as 405-7 Sansome St. well as on the farm when the ground ist with moisture, never get out of shape like leather boots, and are surprisingly warm and comfortable, and in addition they are cheap, and will outlive several pairs of cowhide boots. The awkwardness of wearing the shoes difficulties and complications that have but natural that Americans should off for shoes or slippers of more grace. years ago, he would probably have can- The correct pronunciation is ful build. Wooden shoes are made en- ceiled that part of the will, or at least wi-e," the "a" sounded as in "father," tirely by hand. Small, solid blocks of made its provisions very different, re- the "i" as in "time," and the "e" as with a variety of implements makes the hole for the foot. He first bores a hole for the heel and then with what looks like an exaggerated cheese spoon works his way toward the toe. Once started with angers knives scoons and scrapers, the place for the foot is rapidly shaped. The workman often uses calipers and measures, so that one shoe of a pair shall be as near as possible the mate of the other. The shoe is then sent to the drying room to remain a month, when the final touches are to give it the last scraping and the artistic finish. In this country, the wood used is basswood, as it is light, easy to work, durable and dry. Occasional orders are received for fancy shoes to be made of maple or walnut, and once an extra fine pair had a mahogany veneer. The shoes are especially adapted for wearing in wet places, and the demand for them is steadily increasing.

The Sea Gull.

The sea gull is the scavenger of the ocean. It scours the surface of the sea near the shore and frequents harbors to seize on floating garbage, dead fish and other putrefying matter; and these birds have saved many a village and seaport town, round about which they hover, from plague and pestilence. Such being the services of the sea gull it is a short-sighted policy that causes them to be ruthlessly killed by thousands, partly in idle sport, but principally that their wings may be used for millinery purposes. Their eggs are also collected in enormous quantities for museums and for the shops of naturalists,

Language Lesson.
"Mamma, if I had a hat before I had

this one it's right to say that's the hat had had, isn't it?" "Certainly, Johnny."

"And if that hat once had a hole in t and I had it mended I could say it had had a hole in it, couldn't I?" "Yes, there would be nothing incor-Russian capital, to which the following

rect in that," answer was returned: "Lady buried 'Then it'd be good English to say yesterday with military honors. Please that the hat I had had had a hole keep the general." in it, wouldn't it?"

"Johnny, you make my head ache."-

\$400⁹⁰ not \$200⁹⁰

Two San Francisco grocers-Ring Bros. and T. Salomon -won \$100.00 each because they sent the most yellow tickets before June 15th.

But grocers and clerks can get more tickets than other consumers; so we also paid \$100 00 each to the two persons

132 tickets. Mrs. Wm. Funk, Winnemucca, Nevada, Mrs. L. During, 819 Bryant Street, San Francisco, 72 tickets.

Mrs. During got a number of friends in San Francisco and near by (one keeps a boarding house) to give her their tickets; and she used the tea herself.

By the way, she uses Schilling's Best baking powder and extracts-too bad she doesn't know how good Schilling's Best spices are! But she says the extracts and baking powder are wonderful.

A woman in Stockton, who keeps a restaurant, came very near getting a prize. She deserves one for supplying her customers such good tea.

Better read our advertisements every day-some contain suggestions how to win the prize.

By the way, grocers can't compete for the two \$150.00 prizes offered for the most yellow tickets in one envelope between June 15th and August 31st. They can, however, compete for the \$1000.00 prize.

SCHILLING'S BEST TEA SAN FRANCISCO



Does Your Back Hurt?

The Dull Pain. The Tired Ache. The Sharp Pain. The "Catch" in Your Back.

DR. A. T. SANDEN:

Dear Sir—Your Belt has cured my lame back. It's a great remedy. I had been using medicines and liniments for three years without getting any relief. When I got the Belt I couldn't stoop over to pick up a stick from the ground. The Belt cured my back in a month, and it has never bothered me since. My back is as strong as ever now.

Yours truly,

ALRERT BERANCHLE,

The you have any trouble with your back or kidneys, denoting weakness in or injury to the muscles or kidneys, neither medicine nor liniment will help you. The trouble requires just one remedy, and that is Electricity.

That is what has cured many thousands. It gives life to the weak, strained muscles, and cures often in a few days. If you suffer, call and test it, and see the names of hundreds of other cures. Get the book, free. Call or address,

SANDEN ELECTRIC BELT CO., 263 West Washington St., Portland, Or.

When writing to Advertiser please mention this paper.

CHEAPEST POWER.

.REBUILT GAS AND GASOLINE ENGINES....

TTERCULES GAS ENGINE WORKS

San Francisco, Cal.

Franklin's Bequest in Court.

the discretion of the managers of the

public works which may be judged of

most utility to the inhabitants, such as

fortifications, bridges, aqueducts, pub-

lic buildings, baths, pavements, or

whatever may make living in the town

more convenient to its people and ren-

der it more agreeable to strangers re-

sorting thither for health or temporary

residence." The money is in the Bos-

ton city treasury, but it appears the

municipal authorities and the trustees

are at loggerheads as to their respec-

tive powers, and also as to the method

of its expenditure, and as a last resort

the matter has been carried to the

courts. An application is to be made to

the supreme court of Massachusetts to

to expend the money in one of the sev-

eral ways suggested by the testator.

It is to be hoped a way out of the diffi-

will be used to establish the Franklin

trades school, as has been proposed. It

is one of the most remarkable legacies

ever made, and the benevolent intent

is plain enough, though perhaps not ex-

Buried the Wrong Corpse.

Fairolay describes the following as:

true story: Lately an English family

had the misfortune to lose an aged

aunt, who died in St. Petersburg. Ar-

rangements were most carefully made

and directions sent that the body should

be forwarded to England to be interred

in the family vault. In due time a

magnificent coffin arrived and before it

was lowered to its last resting place it

was opened for inspection. Much to

the dismay of the family, instead of

finding the familiar features and frail

form of their beloved aunt, the corpse

of a Russian officer, clothed in military

garments and decorated with ribbons

and medals, was disclosed to view. A

frantic telegram was dispatched to the

pressed in sufficiently definite terms.

donation to the town of Boston,

If Benjamin Franklin, one of the

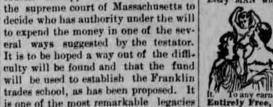
As we have now started on the road

wisest of men, could have foreseen the toward the annexation of Hawaii, it is soon passes away, and when the grown out of his famous bequest to the want to pronounce the name of the wearer enters the house he kicks them city of Boston of \$5,000, more than 100 forthcoming new territory correctly. wood are first shaped like a shoe. They marks the Buffalo Commercial. The in "we," the accent being on the secare then turned over to the borer, who, fund, which now amounts to \$348,000, and syllable. It is well to know how has been invested mainly as he direct- the new territory is pronounced, says ed. At the end of the first hundred the Chicago Tribune, even before it enyears the principal was to be laid out at ters into the Union.

New Use for Sand Blast.

The sand blast has frequently been adapted to a number of ingenious operations, and the latest phase of its utility is in the cleansing of ships' bottoms. The Atlanta, one of the United States men-of-war, was recently drydocked and by means of compressed air sand was forced against the sides of the vessel, cleansing and polishing the iron and steel as bright as silver.

THE TRIUMPH OF LOVE ! Happy and Fruitful Marriage.



Every MAN who would know the GRAND
TRUTHS, the Plain
Facts, the Old Secrets and
the New Discoveries of
Medical Science as applied
to Married Life, who
would alone for past follies and avoid future pitfalls, should with for our
wonderful little hook,
called "Complete Manhead and How to Atlain

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A grashopper can spring more than 200 times its own length.