

requently needs a great number all hinges in making chicken and oops. The two sketches given th show homemade hinges that etter than leather and cheaper the hardware dealer's steel butts. ne shown first is made of screw serted with a round rod of wood



ET.

Christn

t and g

here w

ndow

ger and

any of

the pr

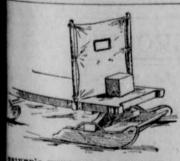
sierunning through them. Screw come in all sizes so that almost rength of hinge can thus be made. wo eyes can be placed close toand wired with fine wire if de-Occasionally a bit of hard wood few screws will make a very serable hinge, attached as shown in woond picture, which tells its own Have the wood stout enough so



the screws will not split it, and wand-headed screws for the pivot ble.-New England Homestead.

Apple Pomace as Feed. is considerable nutriment in we as it comes from the mill. in solids or fat. No one sells a good will eat it quite readily if fed it begins to ferment. This, er, it does very soon if exposed me air. Consequently it is best to to the purchaser, as she may have disthe pomace in air-tight barrels or heads, so as to keep air from it, over the pomace with something will hold down the carbonic acid and prevent its escape as it forms. is really ensilaging it. The pomthelf has not nutritive value to this worth while. Its chief value is succulency, and it should be fed th gain, hay or meal, so as to give proper proportion of nutrition. slightly below freezing temperathere will be no more fermentaon in the pomace than there is in the and it can be used till late in the

Windbreak for the Driver. ers in winter often suffer severe nd unnecessarily from the cold Returning home without a load wind has a chance to blow upon unhindered. Have two small s and four holders for them, as m in the sketch. Provide a stout of duck and sew rings to it as sug-A small glass with its wooden can be inserted, and two small gs made for the reins. If the dis in front, at either side or at the er's back, he has simply to change akes and his sheet of duck to esits fury. When not in use the can be folded, with the glass in-



istm im t e he kms in o

MIVER'S WINDBREAK ON SLED.

and placed in the box used as a Such a contrivance will save suffering and can be had at a slight cost.—Orange Judd Farmer.

by Fattening ' tock Eat Straw. tic animals like variety in feed meh as does man himself. Possithey are more partial to variety re men and women, because the of animals is less vitlated. A fatsteer or sheep which is fed nitrogenous food will eat a good of bright grain straw, so as to supproper proportion of carbonaautrition. When animals are fed ess straw will be eaten, as the h itself chiefly starch, which is other form of carbon. For that are fed beans and bean the straw of wheat or oats will aten almost as readily as hay. It to prevent the nitrogenous parts of the old, cleaning it all out being too concentrates.

Ordering Nursery Stock. ake sure that an order can be should be sent in at as early a ssible. It is best to order for be filted, and the rule in all 1897 is less than seventy bushels, and is first come first served. In prices will be much higher than for all nurserymen take up their several years.



so as to be able to fill orders from the

South during the winter season. This

is really much better than taking stock

from nursery rows. When the trees are

hilled in and properly protected from

frost their roots will begin to start be-

fore winter is over, and they can be

planted much more safely than stock

Corn on One Acre.

How much corn will an acre of land

produce? The Illinois State Board of

Agriculture offered prizes for the larg-

est crop on one acre, and twelve per-

sons succeeded in raising over one hun-

dred bushels each. The first prize was

won by Mr. John Powers, with a yield

of 166 bushels per acre, Mr. E. S. Furs-

man coming second with 160 bushels.

The next ten persons produced, respec-

tively, 150, 144, 143, 142, 116, 110, 108,

103, and two others 100 bushels each,

the average of the twelve being 1281/2

bushels per acre The best fertilizer for

corn was conceded to be a previous crop

of clover, depending upon deep and

early plowing, fine seed bed and shal-

Experiments with Fertilizers.

fertilizers on potatoes, twenty-two plots

being tested, on which fertilizer was

received no fertilizer at all. The 1,000-

the next season. The 2,000-pound ap-

bushels over the 1,000 application of

the first year and 14.1 bushels the next.

Take the Cow on Trial.

deavor to take her on trial. No one can

judge of the capacity or characteristics

of a cow by appearances. Pure bred

scrubs. A cow may be a hard milker,

a kicker and her milk may be deficient

cow unless compelled, and the pur-

chaser takes risk in buying. Every

cow brought on a farm should be known

Protector for Shrubs.

rose bushes and many small shrubs is

inside about the bush, making very

warm and wind-tight winter quarters.

A board, or a piece of burlap, can be

tacked over the top to support the

Cottonseed Meal for Fertilizer.

has proved beyond doubt that cotton-

seed meal is superior to phosphate as

a fertilizer on light, warm soil. He

uses less of the meal than of phosphate

in a drill, and has raised from 200 to

300 bushels of potatoes to the acre and

the heaviest crop of silo corn ever

grown in his locality. Mixed with hen

manure and ashes, the meal has proved

A Hen's Egg Production.

About 150 eggs per year is estimated

is small and well cared for, but with

large flocks an average of 100 eggs per

hen for one year is about correct, as dis-

ease, lice and mismanagement cause

loss. The fowls on farms give larger

profits in proportion to capital repre-

sented than larger stock, but are more

neglected, and, therefore, do not give

as large profits as could be derived from

excellent when seeding down.

It is told in the New England Home-

weight of the snow, if desired.

have lost both

heads are saved

and used for this

wind from blow-

ing them over.

ease or some other fault.

When purchasing a cow always en-

would be at a loss.

The New York experiment station

low but thorough cultivation.

the heart does done well.

own selfishness. You cannot give man a good character: he must make it

himself. Can any good come out of Chicago? Just as much as is put into it. Honor your wife and your honey-

moon will last a life time. Put out a fool's eyes and he will say

that the world is blind. Heaven is not altogether like society;

fewer people want to get into it. What a world this will be when all the children are as well cared for as the

cattle and pigs. The devil likes to hear the man talk in church who treats his mule better than he does his wife.

Were the Golden Rule enforced by some competent authority what a wave of commotion would rock the world.

'All things work together for good to them that love God." Even the devil had to work with all his might to help double Job's riches.

INTERPRETED LAW.

The use of the words "I hereby assign the within note" is held in Markey vs. Corey (Mich.), 36 L. R. A. 117, inmade some experiments in the use of sufficient to prevent one who signs his name to such a statement on the back of a promissory note from being held applied at the rate of from 1,000 to liable as an indorser.

2,000 pounds per acre, two plots receiv-On the other hand, it is held, in Spening 1,500 pounds per acre and one plot cer vs. Halpern (Ark.), 36 L. R. A. 120, that one is not liable as an indorser pound application increased the yield where he places over his signature the over the unfertilized plot 48.4 bushels words "I hereby transfer my interest per acre the first year and 39.6 bushels in the within note." With these cases are collected the other authorities on plication increased the yield only 4.4 the liability of the assignee of a promissory note as an indorser.

The fact that a train was running at The tests demonstrated that the use of high speed in violation of law and in over 1,000 pounds of fertilizer per acre breach of the promise of the engineer made to a boy who intended to jump off is held, in Howell vs. Illinois Central Railroad Company (Miss.), 36 L. R. A. 545, insufficient to render the railroad company liable for injury to the boy, when he attempted to get off, knowing the danger.

stock, however, is more uniform than Negligence in pointing a gun at another and pulling the trigger is held, in Bahel vs. Manning (Mich.), 36 L. R. A. 523, to be unaffected by the fact that the person doing it had used the ordinary means himself of unloading the gun and satisfied himself that it was unloaded. But the fact that the person injured failed to protest or get out of the way when he saw that the gun was A convenient method for protecting about to be snapped and had time to do so was held to constitute such contribushown herewith, tory negligence as would preclude his All barrels 'that recovery of damages from the other.

An aged woman riding in a funeral procession in a carriage driven by her daughter-in-law, when it was struck purpose. Two by a street car at a crossing, is held, small stakes are in Johnson vs. St. Paul City Railway driven down, and Company (Minn.), 36 L. R. A. 586, to be a string attached. not chargeable with negligence, alas shown in the though she did not look or listen for sketch, to keep the approaching cars, but relied entirely upon the driver.

A conveyance to a railroad company, Straw is then put releasing all damages sustained or which shall be sustained by reason of the "construction, building or use" of the railroad is held, in Fremont, E. & M. V. Ry. Co. vs. Harlin (Neb.), 36 L. R. A. 417, insufficient to preclude the granter from recovering damages for the negligent maintenance and operation of the road; but the release is treatstead that a New Hampshire farmer ed as equivalent in this respect to a judgment of condemnation.

An Ugly Missile.

Lord Salisbury still keeps as a souvenir in a cabinet at Hatfield an uglylooking stone of over a pound in weight, with which the window of a carriage in which he was seated with his two daughters was smashed at Dumfries on the evening of Oct. 21. 1884. His lordship had been delivering a series of political speeches in Scotas the production of a hen, if the flock land, and in the streets there was an attempt at rioting. The occupants of the carriage were, fortunately, unburt, but the ladies took the missile home with them.

Wouldn't Be Insulted.

"That is a curious custom they have In some of the South Sea Islands," said Mr. Wallace, "of marrying a girl to a tree or some inanimate object, which is supposed to act as a sort of scapegoat for the shortcomings of the real, live husband." "It is not absolutely unique," said

Mrs. Wallace, "for a woman in this country to be married to a stick." But Mr. Wallace, with the calm su-

periority of the masculine mind, refused to deem it a personal matter.

The Sunflower.

City farmers should give attention to the possibilities of the sunflower, A man in Brooklyn who owned a suburban tract planted it in sunflowers and obtained 100 bushels of seed to the acre. He expects to get from each bushel two and one-half gallons of oil, worth \$1.25 a gallon, or over \$300 an acre. The pressed seeds and fiber also

The forms of sea life in the upper portion of the ocean waters may descend to a depth of 1,200 feet or so from the surface; but there then succeeds a barren zone, which continues to within 300 to 300 feet feet from the bottom, where the deep sea animals begin to

It knocks out all calculations of attending to business in the right way for a day when we wake up in the morning sore and stiff. The disappointment lies in going to bed all right and waking up all wrong.

Long Distance Signating.

put into telegraph communication with that of the McGill college, Montreal, and the signals can be flashed between the two places, a distance of 3,300 miles, in three-quarters of a second.

THE LAST MAN ON EARTH

To recklessly experiment upon himself with hope of relief is the dyspeptic. Yet the nostrums for this malady are as the sands of the sea, and, presumably, about as effiacious. Indigestion, that obstinate malady, even if of long perpetuity, is eventually overcome with Hostetter's Stomach Bitters, an appetizing tonic and alterative, which cures constipation, fever and ague, billions remittent, rheumatism, kidney complaint and feebleners.

one acre one foot deep weighed 2,082 1/2 tons.

We are asserting in the courts our right to the exclusive use of the word "CASTORIA," and "FITCHER'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 of the mothers of America for over thirty years. Look Carefully at the wrapper and see that it is March 8, 1897. SAMUEL PITCHER, M.D.

large enough and insulated sufficiently to carry a way a bolt of lightning. The common lightning rod is not of much

HOME PRODUCTS AND PURE FOOD.

In a recent lecture Professor Bergmann, of Berlin, stated that in 56 cases of perforating the skull for epilepsy, he knew of only one permanent

"King Solomon's Treasure," only Aphrodistacal Tonic known. (See Dictionary.) \$5.00 a box, 3 weeks' treatment. Mason Chemical Co., P. O. Bex 747, Philadelphia, Pa.

Firelighters are made in Germany by twisting wood into a rope, cutting it into short lengths, and dipping the ends of the pieces into melted resin.

I believe my prompt use of Piso's Cure prevented quick consumption.—Mrs. Lucy Wallace, Marquette, Kans, Dec. 12, 1895.

to open an oyster is more than 900 times its weight. Awful Warning.

dog and died of hydrophobia last week. The retributions of Providence for lack of sense are often mysterious and severe. - Pomona Progress.

Mrs. Sidney Hamlet.

Cured by Lydia E. Pinkham's Vegetable Compound.

"My heart goes out in sympathy to all who are suffering with troubles peculiar to the female sex.

for what your Vegetable Compound has done for me. I have been a sufferer since girlhood; did not then know the cause of dreadful sick headaches and other troubles. I could not take long walks, lift or carry anything heavy, and was very nervous.

"Last summer I was almost an invalid; could not walk across my room without pain. I sent for our physician. He pronounced my case a bad one of" Prolapsus Uteri, congestion and ulceration of the womb, and said I was to lie abed. I was so distressed to find myself so helpless and useless to my family; I saw your Compound advertised and thought I would try it. I took several bottles, and used the Sanative Wash and Pills as directed, and now I am as strong as I ever was, and do all my own housework. I can walk more than a mile without any inconvenience. Oh! I am truly grateful. I cannot write the good you have done me. Words are inadequate to express it. May God bless you for the good you are doing."-MRS. SIDNEY HAMLET, Red House, Va.

WHO ARE WEAK

ERIE MEDICAL CO.

Last Chance!

The \$2000.00 missing-word contest closes December 31st.

Result will be announced about January 15th.

Schilling's Best baking powder and tea are because they are money-back.

What is the missing word?-not SAFE, although Schilling's Best baking powder and tea are safe.

Get Schilling's Best baking powder or tea at your grocers'; take out the ticket (brown ticket in every package of baking powder; yellow ticket in the tea); send a ticket with each word to address below before December 31st.

Until October 15th two words allowed for every ticket; after that only one word for every ticket.

If only one person finds the word, that person gets \$2000.00; if several find it, \$2000.00 will be equally divided among them.

Every one sending a brown or yellow ticket will receive a set of cardboard creeping babies at the end of the contes Those sending three or more in one envelope will receive an 1898 pocket calendar-no advertising on it. These creeping babies and pocket calendars will be different from the ones offered in the last contest.

Better cut these rules out.

Address: MONEY-BACK, SAN FRANCISCO.



PROFIT

Power that will save you money and make you money. Hercules Engines are the cheapest power known. Burn Gasoline or Distillate Oil; no smoke, fire, or dirt. For pumping, running dairy or farm machinery, they have no equal. Automatic in action, perfectly safe and reliable.

..FOR...

Send for illustrated catalog.

Hercules Gas Engine Works

Bay St., San Francisco, Cal.

Cooking by Solar Heat.

(216 actual horsepower)

Hercules Special

Price, only \$185.

The various experiments made with solar engines by the French in Algeria, where the sun is never overclouded and shines with great power, have been attended in some instances with marked success. The best apparatus is stated to be a simple arrangement of boiler and concave mirror, the steam generated being condensed in a coiled tube surrounded by water, this being intended merely for distilling water. But in India an inventor has contrived some machines with which more varied results are accomplished. One of these, says the Philadelphia Record, is what A Spanish woman kissed her pug is termed a cooking-box, made of wood and lined with reflecting mirrors, at the bottom of the box being a small copper boiler covered with glass to retain the heat of the rays concentrated by the mirrors upon the boiler. In this contrivance any sort of food may be quickly cooked, the result being a stew or boil if the steam is retained, or if allowed to escape it is a bake. The heat with this device may be aug-

DEAFNESS CANNOT BE CURED

diameter of the box.

mented indefinitely by increasing the

By local applications as they cannot reach the diseased portion of the car. There is only one way to cure deafness, and that is by constitutional remedies. Deafness is caused by an inflamed condition of the nuccous lining of the Eustachian Tube. When this tube is inflamed you have a rumbling sound or imperfect hearing, and when it is entirely closed, deafness is the result, and unless the inflammation can be taken out and this tube restored to its normal condition, hearing will be destroyed forever; nine cases out of ten are caused by Catarrh, which is nothing but an inflamed condition of the mucous surfaces.

We will give One Hundred Dollars for any case of deafness, (caused by catarrh) that cannot be cured by Hail's Catarrh Cure. Send for circulars; free.

F. J. CHENEY & CO., Toledo, O.

F. J. CHENEY & CO., Toledo, O.

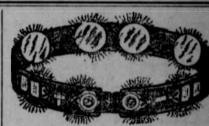
Sold by druggists, 75c. Hall's Family Pills are the best.

Only one person in 15 has perfect eyes, the larger portion of defectiveness prevailing among fair-haired people.

The foreign office at Pekin says that

when the bandits killed the two missonaries it ordered the governor of Shangtung to arrest the culprits, and Moore's Revealed Remedy will doit. Three the capture of four of them was effect- doses will make you feel better. Get it from ed, but meanwhile, indeed only one day before, the Germans landed troops and occupied the forts.

The Germans still occupy Kiao Chan. a place of great strategic and commercial importance, and show no disposition to abandon it, but, on the contrary, appear to have seized upon the murder of the missionaries as a pretext for obtaining and permanently occupy-ing a very desirable position upon the Chinese coast, and so clear is this determination that China has appealed to Russia to interfere in her behalf against Germany. Germany reinforced her squadron in the Chinese waters on the heels of this seizure of Kiao Chau bay, and it is reported that as long ago as 1895 one of our warships on the Chinese coast was applied to by a German ves sel for charts of these waters, "and par ticularly requested detailed charts of the harbor of Kiao Chau." The Germans verified these charts, and made more extended surveys of the and when "the German naval officers at that time discussed the probability of their occupying that port, the murder of German missionaries was not men



"Three Classes of Men."

SANDEN ELECTRIC BELT CO. 253 West Washington St., Portland, Or. Please mention this Paper



8 Seed Annual free. Write for it.

D. M. FERRY & CO., Detroit, Mich.

Kodaks

FROM **\$4** UP...

CLARKE & CO.

Get it Right. your druggist or any wholesale drug house, or



CATALOGS Lamberson

Preparation for Winter. Summer farming is but a preparation for winter. Food is cheaper in summer, but prices are lower. While the pes ture is a valuable aid to the dairyman, it is sure to cheapen prices at times when grass is abundant, the market being regulated by the supply. The best dairymen grow crops for use on the farm in winter, preferring to feed their produce at the barn and convert It into milk and butter in winter, when

higher prices rule. If you have a cement floor with breaks that must be mended, don't expect to get the new cement to adhere to the old without chipping out all kose carefully and soaking it well with wat-

er. Then the new work will be good and stay good in connection with the old. Potatoes to Be Higher. The average per acre of potatoes for

RAM'S HORN BLASTS. Warning Notes Calling the Wicked to

cheat us like our

Failure is the guide that often leads us to success.

Nothing can cheat us like our

The Greenwich observatory has been

was weighed and analyzed at Cornell University. It was found that the soil

AN OPEN LETTER TO MOTHERS.

every wrapper. This is the original "PITCHER'S CASTORIA" which has been used in the homes the kind you have always bought, and has the signature of CHAS. H. FI,ETCHER on the wrapper. No one has authority from me to use my name except The Centaur Company of which Chas, H. Fletcher is President.

Lightning rods may be valuable if

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

Try Schilling's Best tea and baking powder. The oyster is one of the strongest orestures on earth. The force required

MRS. PINKHAM'S VICTORY

RED HOUSE, VA .- To Mrs. Pinkham:

"I would like to express my gratitude