

TSHE lurge profits which should atfend pack ruising are dissipated In has many cases through disease and neglect. Heg cholera will continue to scorre the country until all farmers learn that the pag is not naturally a dirty number and that it requires field mure and forage crops just us much as the hurse and cow do.

Hog pens and yards should be kept clean, changing to tresh ground every year. Such forage crops as rape. artichokes, Canada peas and alfaifa aught to be accessible all summer. Shade and clean water are the next essentials. In addition it is well to give whey or sour milk and light rations of corn, pess or barley. Heavy feeding of grain is only necessary in the last few weeks when fitting for market. Corn silage is an excellent A little crushed coal, wood ashes sait charcoal and olimeal aid a pig's digestion and contribute to its eral bealthfuiness.

Young pigs are seriously injured by overfeeding and by wet floors and cold bedding. There should be no haste to feed grain-either to a farrowing sow young litter. Both before and after farrowing the dam is better off with slops, mashes and boiled vegetables, such as carrots, potatoes and When the young things get firmly on their feet the mother may be gradually put back on grain for the purpose of hardening up the flesh Sucking pigs should have gradually increasing rations of bran, shorts and boiled vegetables.

BY A WISE FARMER.

That was a wise remark made by a speaker in a farmers' institute when he said that "good farm judgment consisted largely in understanding principles and their working, and as good an understanding of conditions to know if the principles will apply."

******************* THE DOG ON THE FARM.

Get a Good One and Train Him Prop-

erly is an Excellent Rule. Every farmer should have a dog. A well trained dog, no one will dispute, is the most companionable of all animals and a labor saver to the farmer, says a correspondent of the Orange Judd Farmer. Systematic instruction should be used in drilling the mind and body of the animal to bring out the intelligence required. A well trained, well treated and good tempered dog is one of the most agreeable creatures to have about the farm.

It is a paying investment to the owner to take pains in training a dog. In the house he should be taught thorough cleanliness, and when once this is es tablished the animal is miserable un



SCOTCH SHEEP DOOR

less it can get out of doors when nature demands it. When the dog is young, say two or three months old, he should be fed in small quantities. Never permit him to ent to his own satisction, because the uithmate result will be a very sick and unhappy little puppy. It is well to give him his last al about two hours before he is shut up for the night.

Cornment mixed with water, a very little sait and a handful of finely chopped liver or meat thrown in, the whole baked in a cake and when cold broken in bits and fed to the dog makes a very good supper. A great many people in elst on giving their pets bread and milk for the evening meal, but this is very desirable diet if the dog is to be shut up in the house all night.

There are a great number of tricks which may be taught a dog, but the farm dog should not necessarily be taught tricks. He should be taught sensible things.

A great many, and I may say nearly 90 per cent of the dog owners of the present day, allow their dogs to run recklessly about through their neighbors' gardens, crops, etc. This is a very injudicious place of business. It not only brings about a hard feeling. but is absolutely uncalled for.

Untreated Alfalfa is Best.

The results of five years' tests indicate that for fattening hogs the way to food alfalfa most satisfactorily is to feed it without grinding or chopping. This method has given faster and cheaper gains than feeding a like amount of chopped or ground alfalfa larger percentage of either.-Nebraska Experiment Station.

MAKING THE LITTLE FARM PAY

By C. C. BOWSFIELD

Brown hers require dipping as soon the weather is warm and again in cidsummer. Once will be sufficient ar the youngstees, and this may be about the 1st of August. If cholera id occupied by the hogs should be cored and used for other purposes for SOUL OF LWO.

the usual medication for dipping mi the remodies commonly sold for balern are safe and effective if used promptly and thoroughty. Prevention is better then any cure, and the farm er who means business will keep his stuck healthy by giving them a clear range, sanitary buildings and sultable If cholern exists in the neighportood or has ever been on a place serum should be given. weather every owner needs to guard his ions against pleuropneumonli

It is best to use full blooded sires in nork production, changing every year, o as to avoid inbreeding. Any of the standard breeds can be recommended. A pure bred Poland China sire crossed with a grade Chester White or Duroc-Jersey dam will give excellent results. but this is merely given as an illustra-There is decided merit in the other distinct types.

A dam should have one litter in the spring and another in the fall. It is good plan to market the spring plgs when nine or ten months old and weighing about 250 pounds, keeping he fall pigs until they are fifteen to eighteen months old, when they should weigh 350 to 400 pounds. If dams are retained after they become heavy and awkward the offspring must be guarded or they will be crushed to death. it is best to give them a warm nest by hemselves, allowing them to suckle four times a day.

ALFALFA IN VERSE.

The popular song of the Illinois farmers' institute runs: What makes the landscape look so What blossoms bright perfume the What plant repays the farmer's toll And will enrich the wormout soil?

Alfulfa!

WASTED FERTILITY.

Failure to Use Liquid Manure Means Throwing Away Money.

The Horticulturist discusses the value

of liquid manure. It says: We believe there is no system of endehing the land for small gardens, with a view to perfection of crops, so ruly economical and so available as the use of liquid manure. We occasionally hear of a gardener or an amtheir grower of some special crop that ias practiced earlehing with liquids, but it is only occasionally, yet the reselt of every record is in its favor, and searching inquiry into extra producnou of fruit, flower or plant almost in cartably gives watering with liquid cause us the cause.

There is on almost every farm a waste of Haulds, which assurily go into the sewer drain or possibly upon the ried, where they are of no avail, but which if saved by being conducted to tank would earlib the entire garden imutus to the rose and other flower orders and keep the grass plot green end fresh even in the hottest and driest r midsummer. The use of a little ester occasionally thrown in and remed the tank would always keep It weet mid clean.

By the use and practice of liquid maaure no delay need ever occur in plantng time because of the manure not being on hand or not being in a sufficould proceed and the application of manure beymade at lelsure

Training Horses' Manes,

the arong side on excellent plan is to make a cover, like the one here shown, fit closely over may be made of beavy musica or canvas with buttons undersienth to fusinterfere House COLLAR. with the bridle or collar. It can be used on the horse as long as it is needed -Firm and Fireside.

Timely Bee Notes.

It is the veriest folly to try to winter over a weak colony, for it is almost sure to perish, and for this and other reasons unite two or more such colonies to give sufficient bees to insure warmth, etc. Just throw them together in one hive, queens and all, and let Arement or fertilizers, will take the the bees fight it out themselves as to place of good, thorough tillage. Purs which queen shall sway the scepter of

Dower It is a mooted question as to whether the entrance of the hives should be contracted where bees are to be wintered out of doors. Many experts consider it best to contract the entrances. A shin gle or other piece of wood can be used for this purpose. It should be so tacknd over the entrance of the hive as to allow the colony an outlet of one to two Inches.

CHEESECLOTH FOR TRUCK. Better Than Glass as a Shelter For

Growing Vegetables. The past summer, for the first time, i tried ebeesecioth shelters in our kitchen garden, says a Country Gentleman writer. Next summer I am going to have more vegetables under cheese cloth, for it is great stuff. Some old beards were tying round-half-inch lumber about eight mehes wide. I cut them up into pieces fifteen inches long. Four of these pieces nailed together unde a square frame-a box with out top or bottom. Over the top t tacked a piece of cheesectoth. There was lumber for only twenty four of them, and I put eight over some cuomber plants started in the house sight over watermelons and eight over musicinelons. Results were most defi-We had cucumbers from the sheltered vines two weeks earlier than coannis before plants that were set in the open had formed fruit. The white shelter has a forcing effect and yet permits hardy growth. Cloth has an advantage over glass in that it lets in moisture. It is also a protection against bugs.

When the vines under cloth outgrew the frames I removed them. Just then nursing along a dozen eggplants With bugs, dry weather and other disadvantages, it seemed as if they would not live. Twelve of the frames were clapped over these plants, and in two days the effect could be seen in whole, healthy green leaves. Then some brussels sprouts came for transplanting in July, when the sky was like brass. I put them right out as soon as received, with a cheesecloth frame over each, and they grew as if they had been transplanted in a week of rain

Cheesecloth is cheap. If you buy a bolt of it, about seventy-five yards, it costs about 21/2 cents a yard. The coarse, unbleached variety a yard wide is what you want.

CLOVER FOR THE SOIL.

It Will Make Poor Land Richer and Can Be Grown Easily.

The trouble with solls when they cease to produce as they did when nev is not that the elements of plant food are actually exhausted from the soil, but the necessary forces for the liberation are exhausted. One of these forces is bacteria. It is estimated that in the common soil there are 150 million bacteria to the ounce. These bacteria must have humus (decayed vegetable matter) for their food; then they will liberate food for the growth

of plants. The supply of humus, the supply of nitrogen, the physical condition of the soil, the penetration, aeration and porosity of the subsoil, can be established by the growth of sweet clover at a cheapness that is startling. Not is it a hard plant to grow. It is one of the hardiest of the leguminous It seems to establish itself plants. on old, wornout soils where other legumes will not grow at all and where field crops grow so poorly as not to pay. Owing to these characteristics and to the fact that its bacteria are capable of living and prospering on the roots of alfalfa, it is perhaps the best possible plant with which to precede alfalfa in sections where there is difficulty in securing a successful growth of that plant .- Kansas Indus-

...................... GOOD FOR THE BOY.

The boy who has engaged in a corn contest, whether successfully or not, has gained practical training of farrenching value and lasting significance

Good For Shelling Corn.

Any one can make and use this corn sheller, says the American Agricul-turist, from which the picture and the lescription are taken. It is made of a piece of board six or eight inches long and about one and a balf inches wide. At intervals of one-half or three-quarters of an inch notches are sawed on each edge and enlarged so as to take



HOMEMADE CORN SHELLER

in a No. 10 or 11 wire. A hole is bored tenr each end and one end of a wire inserted and fastened.

Then the wire is wound as tightly is possible around the wood and fitted in the notches till the other end is reached, when the wire is passed through the other hole and fastened securely. All that is necessary is to rub this device over the corn and ears to lossen the grain.

Points For the Thinking Farmer.

Now is an excellent time to lay that crete walk that you promised your wife to make last winter, when the mud was ankle deep. These are excellent months for odd jobs on the farm.

No kind of manure, either animal exthe land at the right time and to the right depth, then work it down to a mellow seed bed with disk and roller, and harrow,

A brick wall or foundation, while substantial enough, looks rather old fashloned now. The concrete or cement block foundation is the modern type and, like most modern things, is an improvement over that which prereded it. A great thing about concrete is its permanence and cheapness.

HANDLING GASOLINE.

Method Employed in France to Pre-

vent Explosions. Places where inflammable liquids are stored are classed by the French gov ernment with establishments which must conform to the most severe rules In order to satisfy conditions imposed by the prefecture of police, a new apparatus invented by Martini and Huneke was adopted. This apparatus to dudes no complicated mechanism. is automatic in its operation and inde pendent of the workmen.

Throughout the apparatus in which the fuel is stored or handled air is replaced by carbonic acid gas. This gas not only serves as a protecting agent, but its pressure determines the move ment of the figuid. Furthermore, the mes alls all the pipes and valves and icts in such a way that liquid can cir culare only when the system is almo-intely free of leaks. For instance, if a leak occurs at any point in the system the pressure of the gas will disappear and the liquid will remain in the reservoir, where there is no danger of explosion, since air is necessary to the formation of an explosive mixture. fact, all danger which comes from external fire or even from sparks within the tank is removed.

The principle of operation of the Martini and Huneke apparatus as installed in the garages of the Compagnie des Omnibus de Paris consists of a storage reservoir of heavy sheet metal completely buried in the ground, an inlet panel and an outlet panel, a cylinder of compressed thert gas and jacketed pipes joining the different parts of the system. A reservoir covered with as-phalt is buried in the ground sufficienty deep to escape all danger of fire. To charge the tank with liquid fuel it is first filled with the mert gas, then connected to the fuel tank by two pipes; one siphons the fiquid and the other permits gas from the reservoir to replace the liquid in the fuel tank as fast as it runs out. By means of this system the small quantity of liquid which is left on the walls of the tunk cannot form an explosive mixture, as it never comes into contact with the air.-En-

INFANTILE PARALYSIS.

Experiments Prove That the Disease

Is Spread by Stable Flies. That infantile paralysis is transmitted by the stable fly is the great discovery Dr. M. J. Rosenau, professor of preventive medicine and bygiene at Harvard, announced to the fifteenth international congress of hygiene and demography. Dr. Rosenau experimented with monkeys, the animals most

closely resembling man. Twelve monkeys were infected with infantile paralysis. At different stages of the iliness a large number of stable files were introduced into the closely screened cages containing the mon The stable fly bites. After a certain period the stable files were transferred to cages containing well nonkeys. These animals after being bitten by the flies developed all the symptoms of infantile paralysis, just as they appear in children afflicted with the disease. Some of the monkeys died. Dr. Rosenan took tissues from the monkeys thus infected by the flies and injected them into a third set of monkeys, which thereupon develoned the disease

A method for eradication and control of infantife paralysis is now placed in the hands of sanitarians. It is befleved that the necessity of quarantine is thus relieved and that it will suffice to place a bed net around the patient.

Our Limestone Deposits,

Lime is one of our practically inexable limestone rock widely distributed over the United States cannot be estimated even in millions or billions of tons. It is a fact also that the more lime is "thrown away"-scattered over the ground-the better it is for the country, for lime is a great soil reno entor, and, although it is believed to have no actual fertilizing value in the sense of being in itself a plant food, it s well known that spreading it upon the fields and plowing it under make many solls more productive by "sweet ening" them and rendering available the plant food they already contain Lime has also a great variety of other highly important uses. In fact, few mineral products have so wide a scope usefulness.-United States Geolog leal Survey.

Oxygen For Aeronauts. Inlecting pure exygen gas into the lood of air men and mountain ellmb ers, as an auxiliary supply to that in aled into the lungs, is a remarkable means proposed for the prevention of the so called mountain sickness, which a due to the rarity of air at high illindes. The preventive treatment. which was described together with the experiments confirming its efficiency at recent session of the French Acad my of Sciences, consists simply in the subcutaneous injection of quantities of pure oxygen gas, the effeet of which is claimed to persist for several days.

Sizing a Threaded Hole.

It sametimes becomes necessary to transfer the size of a threaded hole from some out of the way place to the shop in order to make a piece to fit it With proper tools this is easy; without them it might be difficult. One thing is always at hand, and that is wood Whittle a stick tapering ontil it starts in the hole. Then turn it into the hole and a fair thread will be made on the wood. The stick can be carried in the pocket without risk of changing the size, as would be the ense with ordinary calipers.

HOW, WHEN AND WHY A SECOND ADVENT

Denver Divines on Right Track, Says Pastor Russell.

No World-Burning - Satan to Be Bound-Sin, Sickness and Death to Be Conquered-Man to Be Dalivered The Power Vested in Messish-His Kingdom Near-May It Will Appear



Denver, Dec. 1.-Beckuteen pastors of all denomina tions have been discussing The Sec and Advent for a month. Now come Pastor Russell tell ing us all that "The Earth abid eth forever"-that it will never be destroyed by Ilteral

him the great event of Christ's Coming will bring blessings such as we desire. He seems to have the Bible and legic on his side too!

Pastor Russell declared that false succepts of the Second Coming of Christ had done great injury. The view set forth in all orthodox creedis that Christ will come again in the flesh. The resurrection will take place within twenty four hours. The saintly will rise in the air to meet the Lord. Then fire will come down from heav en, and consume the whole earth. Pre millennialists claim that Christ will reign in fleshly glory a thousand years to bless the living. The majority of Christians disown this as ridiculous nonsense because thy believe little of creed or Bible. A minurity perceive its inconsistency with the Bible.

What Bible Students New See.

The "fire of that day" is symbolicat already kindling in society, the elements of which, Capital and Labor are getting hotter. Soon they will melt, the symbolical "earth" will be onsumed with the "heavens" also, the ecclesiastical powers. Their passing away will usher in a "new earth." social order, and "new heavens," the Church in giory.

The Second Coming of Christ is as sociated with blessings. Messiah will abolish the curse and bring in wonderful blessings. The Day of Christ will be "the last Day,"-the great Seventh Thousand-year Day. All humanity will be blessed, including the dead who will then be awakened.

Christ Comes to Reign.

As the redemption was necessary for man's salvation so Messiah's Kingdom is necessary to accomplish restitu tion. The delay of more than eighteen centuries is Scripturally explained: (1) God designed Six Great One Thou sand Year Days to teach mankind the exceeding sinfulness of sin. He purposed that on the Seventh Day the blessing of Messiah should come, (2) An important work has been done since Calvary. An Elect Church has been gathered out of all nationssaints made perfect through suffering a Little Flock, the "Church of the First-borns." These are to become the Bride of Christ at His Second Advent. The Second Coming of Jesus is to claim His Bride class, and to exait them. As regards the world, He comes to bind Satan, to overthrow sin, and to uplift fallen humanity. St. Peter tells that Restitution work, not a literal of the world awalts the Se oud Coming of Jesus: "Times of re

freshing shall come from the presence of the Lord."-Acts iii, 19-21.

Christ's Kingdom to Be Spiritual. One great mistake we have all made is in not noticing that Jesus was hu man for only thirty-three and a baif years. He was a giorious spirit being before He was unde flesh; and He was resurrected to a spirit condition-higher than His original one. How foolish we were to think of Jesus as : man to little lower than angels in the midst of the Henvenly host. He is now partaker of the Divine nature; His Church is to be "changed" and made "like Him." As His descent was from a higher to a lower, so His ascent was from a lower nature to a higher, "far bove angels." His is the exceeding glo ry which "no man bath seen nor can see which no man can approach unto.

It is this glorious Being whose Kingdom is about to be established. He and His Church will be as invisible to men as are Satan and the fallen angels. The appearances of Jesus in the flesh after His resurrection were materializations, to prove; (1) that Jesus was no longer dead; (2) that He was changed, born of the Spirit, able to go and come like the wind.

Parousia, Epiphania, Apokalupsis. Messiah's Kingdom will have earthly representatives—the faithful saints of previous ages, raised to human perfec Through these the invisible Messianic Kingdom will operate. Jesus said, "Ye shall see Abraham, Isane, Jacob and all the prophets in the Kingdom."

The parousia of Jesus will come first present but invisible. The world will continua with the ordinary affairs of life (while He is gathering the Church).

as in the days of Noah. After the gathering of the Church, there will be an epiphania and an apokalunsis of Jesus. He will shine forth He will be revealed-not in flesh, but "in flaming fire," the trouble of that Day, in which the present order will consumed in anarchy, giving place to the Kingdom Dispensation.

Millinery

->0K-

Hats at Lower prices here than at any place in Cen-tral Oregon. If you want guaranteed bargains in hats

头派

Mrs. Estes

Prineville, Ore.

Lafler's Studio

A place to get good portraits, and farm views. Enlarg-ing or copying done neatly and quickly

Photo work exchanged

Send us your films by mail We are located on Main Street, near club hall

F. E. Lafler, Prop.

We strive to please

Notice for Publication.

Notice for Publication.

U. s. Land Office, The Dalles, Oregon, December 21, 1912.

Notice is hereby given that the Northern Parith Rallway Company, whose postofice address is St. Paul, Minnesota, has this 20th day of December, 1912, filed in this office for application to select under the provisions of the Act of Congress, approved July 1 1998, (1981a, 197, 20), as extended by the Act of Congress, approved May 17, 1998, the swin, awin, Sec. 2, Tep. 18 south, R. 18 East, W. M.

Any and all persons claiming adversely the lands described, or desiring to object because of the mineral character of the land, or for any other reason, to the disposal to applicant, should file their affidavits of protest in this office, on or before the 20th day of February, 1912.

C. W. MOORE, Register.

Notice of Sale of Real Estate. Notice of Sale of Real Estate.

Notice is hereby given that in pursuance of an order of the County Court of the State of Oregon for Crook County, made on the 2d day of December, 1912, in the matter of the estate of Allen Hash, deceased, the undersigned, the executrix of said estate, will sell at private sale, for cash, subject to confirmation by said county court, after the 24th day of January, 1913, in Prineville, Crook County, Oregon, all the right, title and interest of the said Allen Hash at the time of his death or that said estate has acquired in and to all the following described real property: the following described real property to wit: the south half of the north-west quarter and north-half of the southwest quarter of section five in township thirteen, south of range fourteen east of Willamette meridian

in Crook county, oregon.

Terms and condition of sale: cash, gold coin of the United States.

MARTHA ANN STRAIT

Executrix of the estate of Allen Hash, deceased. Date of first publication Dec. 26, 1912

Citation.

In the County Court of the State of Oregon for Crook County; In the matter of the estate of

JOHN B. JARRETT, deceased. To Ada E. Jarrett, James J. Jarrett, Sarah M. Jarrett, Robert J. Jarrett, Benjamin E. Jarrett, Thomas S. Jarrett, William M. Jarrett, Ada E. Jarrett, Marle A. Jarrett, Earl E. Jarrett, Lucile M. Jarrett, and Howard T. Jarrett, greeting:

In the name of the State of Oregon on are bereby cited and required to

you are hereby cited and required to appear in the County Court of the State of Oregon for the County of Crook, at the court room thereof, at Prineville, in the County of Crook, on Monday the 3d day of February. 1913, at 10 o'clock in the forenoon of that day, then and there to show cause, if any exist, why an order of sole should not be made authorizing sell the following described real es tate of said deceased, to wit: Lots 3 and 4, and the south half of the northwest quarter of section 5, town-14 south, range 19 east of Willamette meridian, in Crook County, State

of Oregon. Witness the Honorable H. C. Ellis. Judge of the County Court of the State of Oregon for trook County with the seal of said court affixed this 24th day of December, 1912. Attest: Wannes Brown, Clerk.

Attest: Wannes Brown, Garage (Seal) By A. W. Battles, Deputy,

Notice of Final Settlement

Notice is hereby given, by the undersigned, the administrate; of the estate of Geo. F. Lytle, deceased, that she has made and filed with the county clerk of Crook county, Oregon, her final accounting of her administration of said estate, and the court has set

MONDAY, THE 3D DAY OF MARCH, 1913 at 10 o'clock in the forencen, at the county court room in Prineville, Oregon, as the time and place for hearing and settling said final accounting. At which said time and place any person inter-ested in said estate may appear and ob-ject to said final accounting.

Dated this 9th day of January, 1913 p ELLA B. LVTLE, Administratrix of the estate of Geo. Lytle, deceased.