Farmer, Stockman and Dairyman

Bull Associations-

many localities is something like the communities, and then these bulls can located should be selected to take care grade cows will be realized. of the bull, and each farmer should ing the bull.

fourth the purchase price. It is of ad- use. vantage to have the association incorgreater prestige in the community.

can meet the conditions as they ap- using pure bred Guernsey bull.

desire for eggs is the same.

the season of the year when the demand is so heavy.

Proper care does not necessarily mean plenty of feed and good houses, all of which is very important.

Good birds, suitably housed, with (containing a liberal amount of some reliable indicators. good coal tar preparation) will aid sanitation wonderfully.

straw. The straw may not pass out of brush.

The birds must have plenty of green dled, will insure winter eggs.

-PREN MOORE.

Grade for the Common Farmer-

It does not sound unreasonable to and broad. sire shall I use?

As our native cattle have not been adapted to their environements and by the glands in the udder is depend- exercise must have the effect of bal-

have vigorous constitutions, it is plain ent upon the amount of blood flowing A plan of securing pure bred bulls to see that they are good material to through that organ. The milk voins it mose convenient to feed a balanced | First burn all the loose, dry straw,

decide upon the advisability of form- from old worn-out dairy cows and I in the udder. munity or the citizens of several com- qualities. With us it has proved a dant energy to keep the machinery of shape if she is fed corn alone during munities. As many as 35 or 40 cows losing game every time we tried to the body in motion. The constitution the gestation period, because inshould be included. If several com- fatten an old dairy cow. Better sell is indicated in a broad muzzle with stance upon instance could be cited as many bulls secured as there are in the production of milk and butter, chest to supply the body with ample by true. But it must be understood

be exchanged after two years and cided dairy kind or strain, in a few the seat of energy. A large brain the utmost importance that the exeragain in four years and thus any one years a good vigorous herd of cows box, as indicated by a broad forehead cise must be given, and that this shall neighborhood can get by several years will replace the unprofitable natives and prominent eye, usually goes with not be optional with the sows, but without the expense of purchasing and a yearly output of from 200 to 300 a strong connection of head and neck, compulsory. If they have to take the another buil. Some farmer centrally pounds of butter fat from first-class together with a large open spine to exercise in order to get their feed,

pay his share of the purchase price our herds and the best and most eco- the head and to transmit an abunand his share of the expense of keep- nomical way to get it is through the dance of nervous force to the heart, infusion of the blood of a pure bred lungs, digestive tract, reproduction or especially the mare and the ewe. No A small bunch of farmers, four I sire that came from a line of high gans, udder and other centers of the think, on Deer Creek adopted a plan producing antestry on both sides. A body. similar to this last fall and secured good buil will no more to improve the a Herford bull. From the size of his quality of the dairy cattle in a neigh- Learn to Cull Poor Layersherd neither of the farmers was justi- borhood than anyone has an idea of. All poor layers should be culled fied in going to the expense of secur- You may have doubts about it for the from the poultry flock in the early fall, of a ration that is far from balanced. ing an expensive animal, but under first two or three years, but not after. In a year when high prices of feed

porated as it facilitates the transac- ed with selling his played-out dairy This, however, requires too much time tion of business, equitably distributes cows for \$15 to \$20 and sent to Ohio and expense for the average poultryresponsibility, and gives organization for a Shorthorn bull to cross on his man. herd. His heifers were excellent to A satisfactory way is to feed the Every season of the year brings its up into a lot of cows that were inferior gone to roost, feeling the crop of each problems for the poultrymen as well to their dams in every respect for bird. Those that are laying will have as to livestock men. If every thing dairy purposes. This man admitted well filled crops, while those not layis ready and the poultryman has a that his experiment cost him a good ing or in poor condition will eat much farm knowledge of his business, he clean \$1,000, and at present he is less feed.

Everybody who has poultry is anx- great promise, are doing good work in should be disposed of immediately. ious about winter eggs. It matters the dairy and have done more to con- In yellow-legged varieties the yellow not if the flock be large or small, the vince me that Guernseys are capable color will practically disappear while If poultry is to be profitable, they the common dairy stock of the country ces, in fact, the legs will even be must necessarily be producers during than any one thing that I have ever white.

Selecting the Dairy Cow-

The foundation of the dairy indus- the following season. plenty of feed properly fed, is the se. try rests upon the dairy cow. The All immature pullets and hens that cret. The first thing necessary before true value of a dairy cow is measured do not appear to be in good health taking the birds into winter quarters, by her capacity to consume feed and should be disposed of as soon as posis a thorough cleaning and disinfection roughage of the farm and to convert sible. Culy those birds showing unof the houses. Every nook and corner it into milk-to produce. The capa- mistakable signs of producing eggs approximately twelve pints of blood, should be carefully gone over to in- bilities of a cow are not always easy throughout the winter and spring each pint containing 7,680 drops, or a sure the removal of the dirt that may to determine from external appearshould be kept, if profitable returns little over 92,000 drops of blood. If a Board of Directors of District No. 19. collect during the hot, dusty summer ances, nor are they fully reliable, yet are to be expected from the feed given louse abstracts a drop a day, and the Dated November 18, 1918. months. A good coat of white wash there are a few points which are very to poultry this season.

The first essential to production is Exercise for Breeding Stockcapacity. In order to produce large Much has been learned about feed-Sanitation is just as necessary to quantities of milk, the cow must have ing live stock from the chemists's the health of poultry as it is to any great capacity to store, digest and as- investigations, and it is impossible to other animal, man or beast alike. An similate large quantities of food. By find a successful eeder today who has unhealthy flock cannot be productive. nature, ruminants were intended to not a comprehensive grasp on the Birds in winter quarters must be consume large quantities of roughage, comparative value of the different forced to exercise, if not, they will be consequently the dairy cow needs to feeds. The average man may not come sluggish and lazy. Feed the have a large stomach in which to store know the exact character of "protein" greater ration upon the floor in about food, large intestinal surfaces to se- and he may not have a clear idea as a foot of good, clean straw. They will cret digestive juices, to absorb and to to the chemical composition of starch get exercise by scratching for their assimilate the nutrients contained in or fat, but he is aware that in feedfood. The straw should be changed the food. The points indicating ca- ing operations the former adds fieshoften. The birds wear it out, and pacity are great length, depth and forming elements, while the latter when it becomes cut up fine, there is width of abdomen. The cow with a supply material for heat and energy. danger of the birds becoming crop large barrel is usually preferred to The one, as it were, offsets the two

It is quite generally conceded that a However, there is considerable to the crop and after a time will close up maximum flesh production and an learn yet, because sometimes very irthe passage. This can be avoided by economical milk production cannot be rational methods of feeding will bring removing the old straw and providing combined well in the same animal. about satisfactory results. You may food, animal food, grit, shell, charcoal large amount of food material must of corn stalk fields every day, having and fresh water. A mixture of good necessity go to nourish these parts. access to shelter in stormy weather, grain, properly fed, and a mash suit. It follows that to obtain the largest and the probabilities are that they able for the breed that is being han, and most economical returns in milk will all bring forth robust calves.

products and that they will give larger strong indications of her ability to bringing forth their young? and better returns for the amount of convert raw food material into milk. food consumed, but for the common Large production usually is coupled tent remain unanswered, because, apfarmer, who finds it part of his farm with a reasonably large udder. In plying the chemist's rule, we could economy to grow and develop his own the udder is where the milk secretion not possibly expect good results. Sucdairy cows, high grades will prove occurs, while the indications are cess in this instance must be traceequally well adapted. Our natives or length and breadth of udder, attached able to the fact that in exercising, scrubs, as they are often called, are high and full behind, level beneath enough heat or energy is expended to not profitable cows for the production with teats of reasonable size and offset any injurious effect that may of dairy products or for beef, hence it evenly placed; extending well for result from feeding too much starch becomes necessary to infuse new and ward, giving it capacity; free from and fat. We have in mind scores of improved blood from the pure breeds fleshiness and flexible, indicating instances where pure-bred cows are if we wish to make their progeny large internal glandular secreting sur- turned into stalk fields in the fall in profitable, and the question that con- face capable of much expansion; and rather thin condition and before fronts every farmer is, what kind of a well supplied with nerves, lymphatic spring these cows are "mountains" of and blood vessels.

bred for any definite purpose they are udder are desired large tortuous milk calf. As said before, the only explaneither beef nor dairy cattle-but are veins. The quantity of milk secreted nation that can be offered is that the

If we use a pure bred sire of a de- capacity for breathing. The head is that when corn alone is fed it is of furnish ample room for a strong cord then they will take it, but not other-What we need is more pure blood in to connect with the seat of energy in

this plan each one of them has use of you have seen the two and three- prevail it is essential that all nonan excellent sire by an outlay of one- year-old heifers that result from his producers be removed from the flock. The only accurate method to locate I have a friend who became disgust- the layers is the use of the trap nest.

look at but it required a close inspec- hens liberally at night, and then pass tion to see their udders and they grew through the house after the birds have

All hens found sitting on the roost His heifers from this sire show in the daytime are boarders and of stamping their individuality upon the hens are laying. In some instan-

Another strong indication of heavy Farmers and dairymen are making egg production is late molting. Con-Many people have the idea that their a serious mistake when they allow trary to the prevailing opinion, the birds are not bred right for winter themselves to be led away from a hen that molts early and is a, fine layers (which can easily be true), but strictly dairy breed by some beef looking bird early in the fall, is not no flock will lay during the winter breed on account of the latter being the one which has been filling the egg months unless they get proper care larger and more pleasing to the eye. basket. The late molter sheds her W. MILTON KELLY. | coat quickly, often being almost entirely naked. Such hens should be carefully fed and kept for breeders

bound by swallowing the short bits of one with long legs and a slim body. and the result is a balanced ration.

With a cow heavily fleshed over the take a bunch of cows in calf, for exneck, shoulders, back and loins, a ample, and allow them to run in the production, one must look for the There cows, handled in this way, have dairy type or thin neck, medium consumed anything but a balanced rashoulders, thinly fleshed; back lean, for during the winter, because their straight and open-jointed; loin lean good has consisted largely of corn that has been left in the field and the dry claim that thoroughbred cows are the From the udder development, a good fodder leaves. How is it that on such most economical producers of dairy dairy cow usually exhibits reasonably a ration they are so well fitted for

This question must to a large exfat, and yet every one of them will be Coupled with a large, well-formed followed the next summer by a sturdy

ancing the ration as it were. To some pig is boarding several thousand lice, extent, the same doctrine applies in it is easy to see where the profit goes the case of brood sows, and in our when "hogs don't pay." opinion the exercise is doubly impor- It is worse than useless to "dope" tant in this instance. Sometimes men the pig with "lice killer" without disare not equipped to give any epecial infecting pens, bedding and in the attention to the brood sows, and find spring, the wallow. that has proven very satisfactory in build upon and improve for dairy uses. take the blood supply after it has ration. If in such instances the sows clean out manure, spray the floors, When a dairyman has faced the passed through the udder and carry it could be turned away from their pens walls, beams, troughs and every crefollowing: Any number of farmers actual practice of selling old cows back to the heart. It is well that the and their sleeping quarters the entire vice with a ten per cent solution of who are interested in breeding one from his herd for beef he will not feel milk veins be long, branching and day and if, in addition to this, they formalin or a half gallon of formalin who are interested in breeding one from his herd for beef he will not feel milk veins be long, branching and day and if, in addition to this, they formalin or a half gallon of formalin and day and if, in addition to this, they formalin or a half gallon of formalin and day and if, in addition to this, they formalin or a half gallon of formalin and day and if, in addition to this, they formalin or a half gallon of formalin and day and if, in addition to this, they formalin or a half gallon of formalin and day and if, in addition to this, they formalin or a half gallon of formalin and day and if, in addition to this, they formalin or a half gallon of formalin and day and if, in addition to this, they formalin or a half gallon of formalin and day and if, in addition to this, they formalin or a half gallon of formalin and day and if, in addition to this, they formalin or a half gallon of formalin and day and if, in addition to this, they formalin or a half gallon of formalin and day and if, in addition to this, they formalin or a half gallon of formalin and day and if, in addition to this, they formalin or a half gallon of formalin and day and if, in addition to this, they formalin or a half gallon of formalin and day and if, in addition to this, they formalin or a half gallon of formalin and the fo and enter into a free and general dis- same herd. There seems to be a pop- ties and slowly, thus giving time to good results will sometimes follow say, half a pint to a large wallow. cussion of the entire subject and then ular prejudice against eating beef deposit its load of milk constituents this seemingly irrational method of Then dust on each pig powdered feeding. It would be absurd to say staphisagria. This will cause the sale of the real property belonging to ing a permanent organization. This fail to see the advantages of trying In addition to the foregoing is de- that a sow will never farrow a strong average louse to homestead elsewhere. may embrace the citizens of one com- to combine in one animal the two sired a strong constitution and abun- litter and bring them through in good where. munities are included, there should be her for a canner and strive to excel prominent nostrils and broad, deep which would prove this to be absolute SCHOOL DISTRICT BUDGET wise if they are fed heavily on corn.

The same doctrine applies to any kind of breeding animal, and includes system of feeding, regardless of how expensive the ration may be, will offset the beneficial effect of plenty of exercise, while, as said before, lots of exercise may offset the injurious effect

Disinfecting Seed Grain-

The difficulty of drying grain after treatment, by dipping or sprinkling with formaldehyde and the resulting failure of a portion of the seed, so treated, to germinate, has resulted in the development of a method of treatment called the "spraying method," which has been found to be satisfactory in various sections of the coun-

The only apparatus necessary is a small quart sprayer, such as is used in spraying small gardens. One stroke Total estimated amount of of the pump will give enough mist if properly distributed for each shovelful of grain. As the seed is being shoveled from one pile to another. From County School Fund for each shovelfull is sprayed with a solution of one part of commercial formaldehyde "40 per cent" and one part of water. The solution is used at the rate of one quart to 50 bushels of seed.

After all the grain is treated and piled in a heap it is covered with sacks, burlap or canvas, to confine the fumes. At the end of five hours the covers may be removed and the seed is ready for planting.

Milk quickly, quietly, cleanly and thoroughly. Cows do not like unnecessary noise or delay. Commence milking at exactly the same hour every morning and evening and mick Total estimated receipts not the cows in the same order.

Lice on Hops-

-E. T. BAKER. Veterinarian Idaho Ex. Station.

To the Clerk of District No. 19, Lane County, Oregon: Following is a statement of the es timated amount of money needed by the district during the fiscal year be-ginning on June 17, 1918, and ending on June 30, 1919. This budget is made in compliance with section 217 of the Oregon School Laws of 1917, and includes the estimated amount to be re-ceived from the County School Fund. Special District Tax and all other

Purniture Apparatus and supplies Library books and text books. Plags Repairs Mary Spounds	200.00 75.00 20.00 200.00
Tags	20.00
Repairs	
Repairs	200.00
mproving grounds	200.00
	75.00
layground equipment	20.00
anitor's wages	1,300.00
anitor's supplies	300.00
uel	400.00
lght	50.00
Vater	150.00
Herk salary	175.00
ostage and stationery	100.00
'elephones	100.00
nsurance	300.00
discellaneous	300.00

144 to 148, and 422 of the School Laws of Oregon for Total money to be expended for all purposes during the

ESTIMATED RECEIPTS. the coming year From State School Fund Cash now in the hands of the District Clerk Cash now in the hands of the County Treasurer belong-

ing to the district. Estimated amount to be received from all other sources during the year... Total estimated receipts. not including the mon-

ey to be received from the tax which it is proposed to vote... RECAPITULATION. Total estimated expenses for the year ...

including the tax to be Balance amount to be A. WASHBURNE, (Signed),

WELBY STEVENS,

CITATION.

In the County Court of the State of Oregon for the County of Lane. In the matter of the estate of Sarah C. Brothers, deceased.

To Wm. A. Tait, Charles C. Bishop, Robert H. Bishop, Alice Rogers and Harvey Rogers, her husband, Greet-

In the name of the State of Oregon you are hereby cited and required to appear in the County Court of the State of Oregon, for the County of Lane, at the court room thereof, at that day, then and there to show cause, if any you have, why an order of sale should not be made for the said estate in accordance with the petition of the Administrator of said estate on file herein, said real estate being described as the N. E. ¼ of the N. W. ¼ and the west ¼ of the N. W. 14 of the N. E. 14 of Sec. 14, Tp. 16 S., R. 2 west of the W. M., in Lane county, Oregon, excepting 25 acres thereof heretofore sold to Bertha M. Paddock, and one acre conveyed for school pur poses, and excepting such rights privileges as the S. P. Co, may have by virtue of deeds recorded at pages 495 and 587 of Vol. 73 of the Deed Records of Lane county, Oregon, and excepting fiume rights of Fischer Bros.
Witness, the Hon. H. L. Bown, Judge of the County Court of the State of Oregon, for the County of Lane and the Seal of said Court here. to affixed, this 18th day of November, 1918. (Seal),

Attest: STACY M. RUSSELL,

SUMMONS.

In the Circuit Court of the State of Oregon for the County of Lane. Nora Payne, plaintiff, vs. Matt Payne,

To Matt Payne, the above named defendant:

In the name of the State of Oregon you are hereby required to appear and answer the complaint filed against you in the above entitled court and cause on or before the 28th day of November, 1918, said date being the date and time specified by the court in the order for publication as the time for you to appear and answer, and if you fall so to appear and ans wer, for want thereof the plaintiff will apply to the court for the relief demanded in said complaint on file herein, and the whole thereof. The relief demanded is: Judgment and decree that the bonds of matrimony now ex-isting between the plaintiff and de-fendant be forever dissolved and held for naught and that the plaintiff be awarded the care and custody of the two minor children, Claudie Payne and Nelvin Payne, and for such other relief as to the court may seem meet and equitable.

This summons is published by the order of the Honorable G. F. Skipworth. Judge of the Circuit Court of the State of Oregon for the County of Lane, dated October 14, 1918. FRANK A. DePUE.

Residence Springfield, Oregon.

Oct.17,24,31; Nov.7,14,21,28.

NOTICE OF ANNUAL MEETING TO FIX TAX LEVY.

Notice is hereby given that there will be a special meeting of the tax-payers of School District No. 19 on Friday evening, November 29, 1918, at 7:30 p. m., for the purpose of fixing 6.928.92 the annual levy of a Special Tax, and to consider such other matters as may properly come before the meeting. Said meeting shall be held at the

High School Building on Mill street.
(Signed) B. A. WASHBURNE,
Chairman of Board of Directors. JOHN E. EDWARDS,

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PERFECTION OF HEATER

A. H. SPRAGUE, Special Agt., Standard Oil Co., Eugene, Oregon

Chambers Hdw. Co., Eugene, Ore. Monroe Hardware Company, Eu-J. W. Quackenbush & Son, Eugene, Thompson Hdw, Co., Eugene, Ore.

gene, Oregon. Ax Billy Department Store, Eu gene, Oregon.