Toirtenth $\mathrm{Y}_{\mathrm{ea}}$
(loodward, Oklaboma, Kansas City, Missouri, January 15, 1908
50 Cents Per Year
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-


Retrospective-View of Live Stock Convention held at Woodward in 1898

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Cattle, Hogs and Sheep handled Exclusively on Commission. Money to Loan on Cattle. Your Business will receive our Personal Attention.
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rile yo' are making money (th: wey you are saving sour strength and it asthening your days; anothe Powers for the farmers' use have Powers Ior the farmers' use have , evses yot adn put a gasoline engine co: zawing wood, pumping water chuming or operating thie cream separator, running feed mill, shelling or shrodking corn, thireshing, and numercess other jobs of this nature. They evable farmers to do their work faster, do it better, do it easier and accomplish more than farmers have ever been alle to accomplish
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## THE LIVE STOCK INSPECTOR

## TEIE

## DAIMETZ

DEPAMRTMTENT

## Cream Ripening in Winter

The r．pening of cream should at．al times be considered a matter of para． mount importance in the anufacture of good butter，but more especially so during cold weather．M reover，or－ dinary temneratures，such as whll in－ sure a fairly vigorous development of lactic acid germs，are not nearly as apt to give us undesirable flavor in milk or cresm as thoze temperatures which stop the growth of these orign－ isms，and which，by virtue of this， foster the development of uudesirable kinds capable of grow og at relatively low temperatures．
The incressed number of undesir－ able germs，together with the increas length of time during whic，the milk and cream are kept，undoubtedly ac eounts for much of the inferion botter made during cold weather：We have long since learned that sweet cream not alwavs synonymons with g cream．Indeed it may be stated wi n considerable degree of certant that cream which has been kept swe at 42 to 4 ．degrees $F$ ．for 24 or 36 is not in a condition to $m$ ike the high－ est quality of butter，no mater how eleanly the conditions under whicht it has been produced，Tise writer has hever succeeded in making as good butter from cream hept sweet 24 hours as trom a similar cream ripenad imm + － diately．As a rule，there is a temi－ eney to impart a bitter or strong flav． or even in cream produce 1 under veleanly conditions．The moment you eheck the growth of the lactic acid bacteria you $m$ iy be cestain to fingter the development of undesirable organ isms which are always present in milk or cram．In attempting to hold milk sweet for any lengib of time， there，ore，we should always remem ber that conditions which check the development of lactic asid organisms do not necessarily stop the a．tion of undesirable fermentations，and that the larger the number of aeid to non－ acid zerms present the less noticeable will be the effect from the nou－acid or undesirahle organism
Bearing on the pas point，a num ber of experiments were couducted by the writer several years ago in which it was found that when cream was heli－1 sweet 25 to 36 hours ar a temp r－ ature of 40 to 45 degrees F．a bitiet and somewhat strong fivor invariab－ ly developed；so that even when sul． sequent．y ripened with a heavy stari－ er，the butter retained some of the an desirable flavor．Wbea the cream－was first soured and than held the same length of time at the sams tempera： ture，the bavor of the butter was in－ variably good．
This，theu，teaches us that during cold weather，while cream my readi！y be kept sweet a day or two，it $1 \times n$＇t advisable to do so on account of the unds eirable flavors which are certain to develop．But if deliveries of cramm are to be made less frequently，start－ er buld beaded to the crinm a
sonn as separa：ed．whether at the fact or，skimming station，or farm，so a to insure not ouly a large predonin anc $\lrcorner$ of lactic acid bateria at the
start，but for the further reason that the abnormal fermentations will do less mischier when the or am is held over in s moderately sour condition． A recent writer repotted the results of inoculating cream wath s starter on the farm a practise which has been found highly satisfac ory during the summer，and we believe that it will prove even mora satisfactory during cold weather for the raason that the decreased danger from oversouring wauld permit the use of a larger smount of starter－Elgin Dury Re－ port．

## Dairy Notes．

Whitewash the stable onea or twice nmmer．We recommend the lan！plaster in the cutters
and the stable and the dairy room in a eleanlv condition．There is $\mathbf{n c}$ danger of getting things ton clean，so that no effort expended in cleaning．up things will be wasted．
Milk is a little heavier than water． The specifie gravity of milk is from 1.029 to 1 （33．If there is any depar ture from these figures．it shows the presence of witor or a large percent－ age of skim milk．

S．M．Trace，a dairy expert sars it is imposs：ble to secure gond milk or make good bntter when the cows are obliged to drink from surface ponds． Sinew 87 ner cent of milk is water it is a verv important thing that the water should be fresh and pure．
If the separator is used，cool ths eream at ance to a temnerature of shout 50 degress as soon as it comes from the separstor．This mat be pasi lv done by placing it．in a so called ＂shat gun water．Cov
After all，the old mule of giving one pound of erain or bran each day for every bundred ponnds the eow weigh is a reasonablv good one．It ean be profifable follewed in the absence of ecalts snil the knowl dge of the num her of poinds of food elements in the feed．
T A fown anciety eustomers should tost the dairyman before they test the milk he sells．If beis found reliabin in ejery rfspoct，the chances are that the milk will come up to the standard． It is tho unrelisble，dishonest dxiry－ man who adulterates the mil be has for sale．
It is estimated that thare are $\$ 500$ ．－ 00,000 worth of diarv eattle in the United States．It is claimed that there is a cow of some sort for ev ry three neople in the Enited Stater，If these eows ware aithe right kind of animale，there would be no exen e for the production ofiolenmargarine，

HUGECROPS PILING UP
the country on the thres－ hold of another boom．

L ord \＆Thomas Make Public Report on the Conditions of the People Which Show Unparalleled Resources－The Same in －All Sections．－

Chieago，Dec．5．－Evidence diree from the farms，positive in nature， corroborates E．H．Harriman＇s state－ ments made in New York yesterday that the country is on the thresinold of a boem unparalleled in history．The evidence is in the form of statistice covering the produets of the waion for the year and they show that the fannors refainly wailowing in their wealth，that the vaults of the country banks are groaning under the heav weight put upon them and that never in bistory has the famer been in such gor d position as he is today．
The statistics were gatheredi？by Cd R．Erwin，president of the advertis－ ilig ageney of Lord \＆Tho nss，who for a number of years bas collected figures to delen mite the pulse of the business of the co．ntry．Beltevag that the most acearate information could be obtained by going back to the soil it self，figuratively speaking， he has made it a pract ice to seek bis information from the farmers and stock raisers themselves and from the editors of the farm publications throughout the country．
Fiom E ast and $W_{\text {tst }}$ ，North and South，the most optimistic and healith－ iy reports bave come back，Not a pub－ lisher or editor sent in a gloomy res－ ponse to the request of Mr．Erwin． and a survey of the reports of actual crop conditious shows that the actual prosperity of the nation really is re markable．
The great stable corn crop of Mis－ souri is better this year than it haw been in many a day，is the testimony of the Fruit Grower．St．Joseph，Mo．． and the furtber assertion is made that the stason for ripesing and gather－ $h$ as been ideal
Kansas sent word that is astonish ing truth．In Kansas there is 200 mil－ lion dollars＇worth of grain and other products ready for the market and 165 militon dollars on deposit in the K an－ sas banks．The average for the Un－ Ited States is a ratio of one－third ensb to the total of farm products and the showing of Kansas made here marks the state as one of the gigantic bu⿱口⿰口口亏iness centers of the nation and of the world．
Iowa，Nebraska，Minnesota，Wis－
Onsi：，the logkotas，the and Dixis：＂rend the s： entomizer，i cons，prc ries－ ny．

## Hereford Sk lo Cor

According to present arrz here will be＂somethiug Herefurd circles in the Kar lerritory this spring．$\Lambda \mathrm{He}$ breeders＇association for mut quatintance and＂institute＂wesk －organized and a number of ales will be held at Kansas．Citv． has the most important of theses wit be the threeday anction v！ © management of $\mathbf{C}, ~ A$ Stannat F uporia，Kans．，which

25,26 and 27.
if selected eattle wîl ve
oceasion，chosen from nost prominent herds ！？ ng territory．Gudgels \＆ bdependence，Mo．，have ell at least 25 head in this s
will put in their best youris nd they promise that therr ch bull will be liberally represent $\epsilon$ This bull is Beau President，w royarded by his owners and practic F every one who has visited rifls gre？ hard recently，as the most influenti sire ever used by them，not exceptit： is famous sire，Beau Brummel Fradk Rockeffller of Belvidere，Ks will consign fully 60 head and thesf will be to the standard establlshed bv lis previous consignments to the bes！ c）mbination sales．Ten head－borl bulls and females－will be supplied tv Sivele Bios．of Ricblaud，Kav． whose Princeps familie have been＊il prominent in the hest show rings for it：e past 3 years．Jones Bros，of C＇om iskey，Kans．censigns 12 head su－i Cargill \＆Price 12 head．The chatse ter of these herds are too well kmwn to need any comment．Amon：the other consignors who contribute ftum foar to ten head each are R．T．Thern ton，B．H．Downing，J．V．Brook， J．Early，Walter B．Waddell，Ftel Pe．kins，R．C，Wilson，R．T．Pence， J．W．Lenox，Makin Bros，L．Pinet， T．P．Whittenburg，and J，O．Bryant． Every effort will be made to make this offering the best collection of Eerefords of like number ever offertil the buying publie in one sale．It wili undoubtedly afford the greatest or vortunity of the season for the selec tion of up－to－date Hereford breeding cock and we would urge our readers bear the sale in mind．

Save the calves－fresh Vaccine o prevent Blackleg，on sale at the NEWS office．

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You are not taking any chances when y $y \mathrm{u}$ do business with us． WELCH BROS．

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## THE LIVE STOCK INSPECTOR.

# THE LIVE STOCK INSPECTOR 

## PUBLISHED SERMi-MONTHLY BY

BOLTON PUHBMEXITNG CO.

MAIN OFFICE
WOODW ARD, OKLA
IRANCH OFFICE KANSAS CITTY, MO

The only journal published in Cklahoma, devoted exclusivly to live stock interests and stock farming.

Entered at the post office at Woodward, Oklahoma, as second class mail matter.

## JANUARY 15, 1908

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IVE TOCK INSPECTOR, Woodward, okia

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A postal eard, addressed to the Se sociation, Woodward, Okla., will h necessary for becoming a member of pertaining to the same

The conductor's story told b the Sabetha Star: A woman a a boy got on the train with a f fare ard a half-fare ticket. "Ma am, I can't take this ticket fo" the bov, he wears long pants, said the conductorr. "All right," said the woman, "take the fuil fare ticket for him."

## -***

L. P. Jennins in the Gage Redord advises all farmers to hold their grain and if offered 1 to 5 cents less than old market price to store it or haul it home and dump in bin, and not haul any more for several weeks. That if they will all do this the panic won't hurt them and will soon blow over.

It is sajd that farmers will no

Whenever a local merchan ships in from abroad produce his neighboring farmers can furnish him, he is injuring his home interests and crippling his home customers. Whenever a farmer sends away to a catalogue for goods with which his local mer chant can supply him at practi cally the same price, he is dis. tracting from his home business and impeding local prosperity Neither should doit.

The fence swindler is now getting in his best licks in Oklahoma. He leaves a machine and 40 rods of wire for the farmer to try, asking, of course, that the farmer sign a receipt for them. He never shows up again but the "receipt" does as a note for $\$ 300$. Never sign a paper for a strang. er. How many times that advice has been given and how many times needed! • Just consider that we have offered it again.

Everything that a farmer buys except harvesters has increased in price-from 10 to 50 per cent. He pays more his plows, wagons and every other machine and tool he handles. He pays more his clothing and food and everything that he sells has increased in price in a corresponding ratio during that time. The cost of manufacture and all the materials he uses have advanced. Pig iron has increased from $\$ 13.50$ to $\$ 20.75$ per ton; since the consoldation, steel from $\$ 1.35$ to $\$ 1.66$ per hundredweight, pine lumber from $\$ 26$ to $\$ 37.50$ per thousand, hard wood from $\$ 25.50$ to $\$ 37.50$ per thousand, crating from $\$ 9$ to \$15 per thousand, cotton duck from 27 to 36 cents a yard, and labor from an average of 19.4 to 22.6 cents an buur.

## $\bullet 4 *+*$

## To Delinquent Subscribers.

According to an order from the postmaster general at Washington; D. C., subscribers to daily and weekly newspapers. monthly magazines and all per. iodicals entitled to second cless postage rates must pay their subscription uptodate of they wish to receive the publication after January 1, 1908. The order is a drastic one and does not leave any alternative to the pub lisher other than to collect the subscription price or stop the paper. The order provides that dailies must not be sent though the mails to subscribers who are more than three months arrears in their subscription; monthly North Atlantic states, which include New England, New York New Jersey and Pennsylvania, was at the date of the lact national census 5.8 per cent and outside the cities 7.3 per cent.
In the north ceatralstates. which include Ohio, In iana, Illinois, Michigan, Wisconsin, Minnesota, Iowa, Missouri, North and South Daknta, N braska and Kansas, the percentages were 3.? and 4.6 ro-pectivels. In the Cormer Bivision there are 87 uni yersiti s andfolleges, with 29 , 995 underryaduates and 3,003 graduate students, while in the latter there are 187 institutions of thi ch ractoi, with 40,537 undergraduates and $2,8,7$ graduate students.
"What F ols These Mortals Be!"
[Aahlat C ippron m-Par]
Here area few right oft the bat. Truly, little pinhead polititians had better quit. Catch this last one from the Medicine Lodge Index

But let us not borrow trouble ver ancient things. II's the present that is disturbing the people and "it is probable" that "a great majority" of the people we in a mood to forget what is doing this day. And we have the old blessed protective tariff, the infallible gold standard, a repub lican president, a republican congress, republican coults, and yet, what's the price of hogs and catthe, and how's business generally? Oh you pinhead politicians, you seltish, unprincipled pie-eaters! You should be more than willing not $t$ hold up the days of old Grover if the other fellows are kind enough to withhold remarks.

THE LIVE STOC I NSPECTOOR

## TO PROTECT OKLAHOMA BIRDS

Terms of the Measure Introduced in the State Legislature.
Guthrie, Ok , Dec. 19.-A bill for the protection of game and insectivo"ous wild birds, repared by the United States bureau of biological survey, has been introduced in the lo, ive house by Representative T. B. Wortman, chairman of the fisll and rame committee. This bill has the backing of the state Audubon society

In a letter to General J. C. Jamison of Guthrie at whose solicitation the bill was drawn, C. E. brewster of the biological survey wrote that at the request of the legislature a representative of the survey would be sent to Oklahoma to assist in making plain the merits of the bill. By the terms of the bill all wild animals and birds are made the property of the state. The open seasons are:
Quail, wild turkeys and prairie chickens, Noverb ber 15 to January 15; snipe, plover, woodcock and all waterfowl, October 18 to December 31.

The bay is limited to one turkey a doy, and five in a season; twenty quail in a day and 100 in a season, three prairie chickens in a dar and twenty-five in a season. Only twen $y$ waterfowl and twelve snipe, plover or woodenck may be killed in a day. No gun larger than a ten gange may be used, and must be shot at arm's length at.d without a rest. The plumage and eqgs of wild birds niay not be taken except for scientific purposes and only by persons lincensed for this parpose.

## Winter Tree Planting.

Fruit and shade trees may be set any time during the winter if the soil is in proper condition for the working. The condition of the soil at the time trees are set has more to do with the success or failure of the trees than does the season of the setting. If the land is in good condition in the fall and the trees can bo obtained it is better to set them than to wait and run the risk of having risk of not having the soil in good condition later on. The land should be in a therough state of cultivation and should be moist enoligh to work well when the trees are set. If thes are in good condition theere is no need of watering then.

Trees set in early winter may be a little difficult to protect from ${ }^{*}$ rabbits, but they are usual1 y in better c ,ndition to start growth in the spring than those that have been heeled in all winter. 'I here are not so many poor trees sod in the fall as in the spring and for this reason fall setting usually gives bette: results than spring setting.-Oklahoma Station.

## Western Oklahoma, Kansas and Panhandle Country.

Two or three weeks ago a dis. patch was sent out from Washington which seemed to be of such a nature as to discourage the rrave settlers in western Kansas western Oklahoma and the Panhandle.

It made the positive statement that the settlement of western Kansas would not increase the rainfall, and that vhile more rain had fallen in that section the past two years, the dry seasons would surely return and the farmers would be compelled to desert their farms or starve.
This is certainly a very discouraging statement. If the names of mun connected with the weather bureau bad not been given we should have supposed tice state ment had originated with some cattle baron. Along in the sixties we had the word of the cattle men that the tifty mile widestri, in the southern part of Kansas opened to settlement could never be anything but a cattle range on account of drouth. The drouths and hot winds were here all right, but now that fifty mile st $t_{i}$ ip is the most productive part of the earth.

The cattle barons were backed by some weather bureau men in the statement that all that part of the indian territory west of the Arkansas river was a drouthy desert that never could be more than very poor cattle range.
Look at the population and productive farms $o:$ that $s$ etion of former Indian territory west of the big Arkansas river today. Its wonderful productions and development is all containdd in that one word-Oklahoma.
These statements are historical facts, but they are only preliminary to what we are going to say about these weather men We are going to show that their conclusions about western Kansas are entirely illogical and when we have finished, every intelligent farmer and business man in western Kansas, Olclaho
ma and the Panhandle of Texas will be for the Eagle and against "Old Probabilities." Weare not going to show that some of the statements of these weather bu reau men are not right, but their conclusions as to western Kansas are wrong.
These weather bureau men may be right when they say tiat the settlement of a country does not increase the natural rainfall, but they are all wrong when they say that settlement does eliminate the drouth conditions. In the early settlement of the transMissouri river country, people said the rains in this section came from the snows on the mountains. But when some tho't to ask where the snow came from, the editor of this paper answer ed that the snow and rains in southern Kansas come from the Gulf of Mexico. The Gulf of Mexico has be $n$ sending its moisture to this section ever since and before this section was called the Great f-merican Desert. This mist from the ocean has been coming to Oklahoma, to western Kanses and to the Panhandle ever since there was a Gulf of exico, but was burned up by the hot winds of these desert lands or vanished in ether, or fell in cloud bursts, making the gullios and dry creeks raging rivers.
Then why has that part of the great desart now comprising this section of Kansas and Oklahoma become a garden instead of a des ert, and why will this garden of the world enlarge and take in western Kansas, western Oklahoma and the Panhandle, and eventually a part of Colorado and and New Mexico? We will tell you. When the brave people who settled this section of Kansas and Okiahoma came and ; lowed the prairies and planted trees the moisture began to accumulate in the ground, inste.id of running off and making rivers of the d:y creeks. In a very short time the ground lost its burned, sooty appearance, and gradually the brassy sky came so seldom as to be almost forgotten. Meisture was accumulating. There was not more moisture, but it came and stayed. There may not have been more rains but they were better distributed, but the moist air that reaches vegetation or falls in dew is never measured by the weather bureau.
There is a spirit in the wilderness that moves its arms and ories "Desolation! Desolation!"' to soere mea eway. It scared
some from southern Gansas; it scared many from Oklahoma, and now it has scared the weather bureau out of western Kansas. It is trying to scare the people out of Beaver county, Oklahoma and the Panhandle of Texas. There will be some that will "stand pat" and refuse to run away.
These causes that have developed southern Kansas and Oklahoma admonishes us to make the prediction that not only western Kansas, but western Oklahema and the Panhandle will soon become a land of prosperous people and happy homes. The Eagle is high on its perch that all the world may hear, and it will continue to scream for western Kansas, western Oklahoma and the Panhandle.-Wichita Eagle.

BIG POULTRY SHOW

Successful Exhibit of Fine

Fovis and a Big

## Attendance.

The Third Annual Show of the Woodward County Poultry and Pet Stock Association was pulled off here last week with a big attendance and a splendid exhibit of all well known breeds of poultry.

The weather was exceptionally fine and the handsome cups offered premium winners together with the splendid showing made everyone proud of the occasion and shower congratulations upon tle association which made it such a success in every particular.

On account of not being furnished a list of the awards as promised, in time for this issue, the list will have to go over for the present.

It has grown to be a cummon sayirg in this statee that if any thing happens an Oklahoinan is there to sen it. Nelson Johason, son of Jere Johnson of Newkirk, reached Pekin, China the oiber day to begıu his studies as a student interpreter. He stod ied in Koba Japa , and seeing a big vessel discharging, h eargo of cotton, asked where the cothon came from. "From 'Oiklahoma," was the reply. "The best cotton we get is from Oklaboma," said the Japaneso-Wiohita Beacon.

KILLANCURE STOCK DIP.


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Price $\$ 15$. ${ }^{\text {Creulars }}$. free, showing $\mathbf{H}$ ヶrvester at work. NEW PROCESS MFG. CO., Salina, Kas

## PANHANDLE OP TEXAS. <br> PRCOS FALLEY UP N. M.

If you are interested in either or both of these rapidly developing sections of the Southwest write to
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Winter's Coming!
You known what that means to you Don't you want to escape the snow, the cold, the slush--all the discomtorts?

Why not plan now where to pass that season so trying to many persous?

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Winter Tours
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THE STOCK HOTEL
Grood Meals. Clean Beds. Prompt Service. ing her a dish of buttermilk. Bug her a dish of buttermilk.
Busy fowls develop a solid appetite that will mean eggs in plenty.
The high prices of grain are incenives to nse more green cut bon-, cut clover hav, and vegetables.
Prof, Graham says that regularit of feeding and kindoess are neeessa. for winter egg prodnction.
Dr. Sanborn advises as follow Study the feeding questor for $y$, it self, and do not change from one w : of feeding to another after a p.ratry man has visited you and told of gr>a results from "his teed." Yon know more about your birds and their ueeds than does a stranger.
Linseed meale are generally known as oti meals. This is an in onrrect name, the oil haviag been remevel to a considerable extent.
Just before it matures, is a ainout the most hungry time in 9 bird's life It oun can eat more than at anv othe.period, and if it does not get all it ean eat, more harm is dóne uan can be repaired during, the reat of its life Ordinary linseed meal contrins 309. per eent protein and $3 \mathrm{p} \rightarrow \mathrm{r}$ cent fat, an 1 we are sure of its being perfectly harmless.
Dr. Salmon, in an address, savs that too much green hone, meat meal or meat scraps fed the same dav will work a great injury to the fowls. In onllets the combs will turn ycllow, diarruoes will follow; the bird will aet drowsy and droopy antil it finally dies. The doetor thinks that the badly diseased birds should be killed at once. and the doubtfal ones removed to quareers by themselves, where they shonld be fed grain and elover hav. Have no animal food in the mesh. Fill hoppers with bran and grit. An hour before sunset feed a fall ration of wheat and then see that no more than this is given.
According to the New York Exneriment Station, the cost of food, per chick, ts weigh one ponnd, on groand erain, is three cents; on whole grain three and eeven tenthe cents.
Whatever the feet is, one must bear in mind that to produce an egg weich ing 1.8 oun es every day a $^{\text {a hen weigh }}$ ing four ponnds or under will reavire .48 ounces of protein, . 2 of carbohvdेrates or their equivalent in fat, and in extremely cold weather more osrbohyd and fat.

## Eggs and Egg Farming

While nest eggs will act as signposts or the pullet that dues not know nothing in the theory that they indnce ege production.
The demand for fresh eggs is never supplied, especially at this season o the year.
A hen will lav when in good cond a very tather she is fat or len, dition.
When there is a lack of egg producnon. it is searcely evor attributed to the management, although it is genarally due to some coudition that comes because of the managsmeut.

Watery and "weak" eagz ara gen erally due to poor food, food deficient in the elements which go to make trong, rich egg
Winter egg prodaction is not se ser ions an affarr with the practical pon! tryman as it is with the farmer. The reason is plain. The poultryman provides well-built, warm houses mates for ege production. keeps thorough-

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## NOWREADY THEBOOKOF $A \Delta A \Delta A$

History, Cultivation and Merits. Its Uses as a Forage and Fertilizer. By F. D. COBURN, Secretary Kansas Department of Agriculture.




generar introduction of alfalfa as a hay and
putare crop. While formerly it was consid-
cred tinat
 ouly in the irrigation sections of the country,
thy acreare devoted to this crop is rapily
inereasing everywiere. hecent experiments
hive shown that atfatifa has a much wider hive shown that alfaifa hecent a mperiments much witer
usefulness than has hitherto been supposed usefuluess than has hitherto been supposed
and good crops are now grown in almostevery
state. No forage plant has ever been intro state, No forage plant has ever been intro.
daceet and sucessfull cultivated in the
United States possuled duced and successfully cultivated in the
United states possessed of the general ex-
cellence of alfalfa. The introduction of this plant into North
America, although known m the Old World
huaitreds of years Before Clris hundreds of years Before Christ, occurred
only during the last century yet itis protably
receiving more attention than any other crop. receiving more attention thau any other crup.
When once well established it continues.
produce good crops for an almost indefinite produce good crops for an almost indefinite
nuunber of years. The author thoroughly
believes in alfalf, believes in alfalfa, he believes in it for the
big farmer has a profit bringer in the form of
hing, or condensed into beef, pork thite hay, or copdensed into beef, pork, mutton, or
priniuces of the cow; but he has a stitl more
htiding faith in it as a mainstay of the small atiding faith in it as a mainstay of the mmall
farmer, for feed for nil his ilve stock and for main aining the fertility of the sil.
The tratmunt of the whole subject is in
the nuthor's usual clear and admiratiestyle the nuthir's usual clear and atmirathe style.
a will be sen from the following condensed
tilie of cententa a. will be seen from the following condensed
table of contents:


LIVE STOCK INSPECTOR AND FARM NEWS.
Woodward. Okla

## Bright Side Stock Farm

Ttioroughbred Poland Chna Swine AND PURE
Barred Plymouth liock Chic ens
I hive quite a ammber of bours large en ugh for serviee, weighing from 75 t, 12; p ounds. Moat of then ar grandsons of U. S Monti and Porfoct S mshatu and a few othars of dif.rent breedug anil all bredia the nurple. and will have a nmonber of hrod gilts for suring anvond wonld want and wim have a monber of hrmd gita for suring gind summer farrow
fisb; vonnger hoacs or pias, sows, $\$ 12$; biars; selected aud bred gilts

EGGS FOR HATCHING IN SEASON. STOCKALWAYS ON HAND we invite inspection
U. H. SAULL.
R. D, No. 2

MULVANE, KANSAS

It is not gooc practice to put manure in the hole in setting young trees.

The best time to fight the scale so in the spring before the buds begin to swell.
An empty salt sack used to rub the horse down with will make the coat glisten.
WIII the coreless apple be followed by the cobless corn and the rindiess watermelon?
Don't forget that a thinking cap should be included in your spring equipment of tools.

Lima beans cannot be grown on poor soll, and should never be planted while the ground is cold.
The earlier that the colt is broken the easier it is for the animal and the better is the job done.

The large importations of wool emphasize the fact that more sheep ought to be raised in this country.

Again we say, clean up the or chard, burn all rubbish. Insects will trouble you less next season if yóu do.

The well balanced farm is the one where stock is kept to rebuila the soll which the grain crops have depleted.
The percentage of proft on any farm is dependent upon the kind of management the farm has, remember that, Mr. Farmer.

The San Jose scale louse is no re specter of persons, attacking all orchard trees, rose bushes, berry bushes, vines and shrubs.

A progressive dalryman will not put up with scrub stock, and a scrub dairyman may be given well-bred stock and soon bring it down to his level.

The more evenly manure is spread over the land the better will it be incorporated with the soll. Don't leave it in lumps. The manure spreader is a great help.

Western farmers are coming to ap preclate more fully the value of alfalfa as a forage crop. It may cost extra trouble and expense in getting a good stand, but it pays.
A. good hen man when asked whether he gave his hens pepper, sald: "No!" and the emphasis was so strong that we concluded that it was strong that we conce.
The Mexican Agricuitural suciety announces the discovery of a new kind of wheat grown for several years in the state of San Luis Potosi, which has proved to be immune from attacks of wheat rust.

The styles of harrows are legion and there is no doubt that some makes are better adapted to certain solls than others. The farmer would do well to study the different makes and get the one which will work best on his soll.

[^0]

Poor plan to yayd sheep and oows together. Latter are apt to chase the former and may hurt them.

Remember it is easier to prevent disease than it is to cure it after it has gained a hold upon your stuck.

The angry shout at the horse makes the man less a man, and the horse less responsive to the will of its master.
The chief difficulty of butter makints in winter is that the cream is either too old or too cold to churn well.

Don't let exposure and insufficient food stunt the young stock. You will never be able to recover lost ground if you do.

If you have any pleasant talk give it to the home folks and not exclusive ly to the stranger you meet in tuwn or on the highway.

It's the gun that Isn't loaded that goes off, and it's the horse that never starts when left standing that bolt and smashes wagon or buggy.

A winter equation for the poult. man to consider is that cut-bone, green food (clover or roots) and exercise equal generous egg production.
The successful farmer has a mission to fill in the community in which he lives by stimulating and encourag. Ing better methods among his, neighbors.
A letter from you to the representatives of your district in state or national legislative body concerning any legislation in which you are specially interested will bear fruit.

The hogs like woód ashes, soft coal In small bits, mortar, rotten wood, etc. Such things are a help to digestion and good health. See that they get such things occasionally.

Ever try putting your tongue to a bit of cold fron these cold frosty mornings? Then think how it must feel to the horse to have the ice-cold bit thrust into his mouth.
The newly seeded area of winter wheat is estimated by the department of agriculture at $31,665,000$ acres, an Increase of 353,000 acres, or 1.1 per cent. over the acreage of 1905.

Green food is particularly advantageous to animals that are fed largely on corn in the winter. Cabbage, sugar beets, turnips, carrota, and the like are much appreclated.

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of the opening and has stuck.
Enid

From expenuents at the Maine ex periment station the indications are that by selecting best layers for breeding purposes, and by proper feeding, the average egg yield of a feeding, the average eg
flock can be increae-

The government has distributed to about 2,000 fruit growers in the gulf states and in Oregon and Washington states and in Oregon and Washington
specimens of the new citrus frult specimens of the new citrus frult
known as citrange. This fruit is esknown as citrange. This fruit is especially valuable for cooking and in the making of acid drinks and can be
grown in regions slightly too cold for grown in regions slig
the ordinary orange.

The Michigan experiment station mentions green or black root lice, which attack strawberry plants. In early spring they appear on the leaf stems and foliage, and are carried down to the roots by ants. "Clean plants on clean land" seems to be the only safe advice. Soil on which corn and melons have been grown is most Iikely to be filled with lice. Th plants may be cleaned by dipping in tobacco water before they are set.

No practical remedy for cabbage rot has yet been discovered. The re moval of diseased leaves, which was at one time advocated, has proven to be useless. Rotation of crops will help matters some. However, it fre quently happens that an excellen crop may be grown where rot was de structive the previous year. Much depends on the weather conditions. Sometimes the disease is transmitted through infected seed. Trouble from this source may be avolded by soaking the seed 15 minutes in a weak solution of corrosive sublimate, one pait corrosive sublimate to 1,000 part part corro Nerrosive sublimate table or making disinfecting solutions are for by druggts sold by druggists.

A Holstein cow on the farm of W. J. Gillett of Rosendale, Wis., has in a test conducted under the direction of the Wisconsin experiment station made the following remarkable show ing: The test began December 24, 1906, and closed February 24, 1907. and shows a production for 63 days of 5529.6 pounds of milk containing 217,207 pounds of butter fat. The highest world's recerd for seven days was made February 6 to 13, when the tests showed 615.7 . pounds of milk containing 28.176 pounds of fat, an oontalage of $4.32 \%$. The world's record average of 4.3 or 30 day period from January 21 to February 20, when the total production was 2873.6 pounds of milk, contain Ing 110,833 pounds of fat, an average of $3.86 \%$. The largest milk yield for one day was that of February 16-17, when the great cow gave 106 pounds of milk containing 3,637 pounds of fat, an average test of 3.43. The largest production of butter fat for one day was on February $9-10$, when she hat to ber credit 4.594 pounds from 90.6 pounds of milk, testIng 5.7, equal to 5.34 pounds of eome mernial buttor

Wash the dairy utenstis fmanoatioce Iy after using them.

To make the same mistake twiee is almost Inexcusable. Don't do it.

Barley which has been rolled, not ground, makes one of the best foods for the horse.

Improve the rainy days by work in spring house cleaning in the barn granaries, cellar, etc

A mistake is not so bad if the one making it is smart enough and wise making to profit by it.

In the growing of wheat the mily ing quality of the grain must be con sidered as well as the yield.

The true basis of all good tarming must be found in the honest pride which the farmer takes in his calling.

Clover hay will be eaten by the calves at an early age and ground oata are a desirable addition to thetr ration as they grow older.

The successful poultryman says it is not a case of being able to afford s reen case of he can't aftord to be without one

Sharp edges on the grinding teeth of a horse prevent proper mastication of the food and result in an unthrifty condition of the animal. File these edges off.

The accumulation of manure in the barnyard is not going to help you grow your crops this season uniess you get it on the fields. A ton or manure on the ground is better thas two in the barnyard.

Does your interest in folks extend no further than the limits of your own household? Don't be narrow and sel fish. Nelghber sick or in trouble risit him. It will do rom soot and wisit him. It will do you sood and
will cheer the other fellow an and help lift his burden.

There is Hikelihood that the Minols university will establish a great veterinary college at the Chicago Union stockyards to be run as one of the departments of the agricultural col lege.

It must be remembered in seed teating that the same cerminating power which is indicated under the favorable conditions of heat and moisture obtained in the test may not be secured when sown in the open field.

Director W. A. Henry of the Wis consin experiment station has handed in his resignation to take effect next July, and while he will thus sever his connection with the ez periment station he will contiane with the college of agrlculture as pro fessor emerir...

$H_{\text {ARMERS }}$ things the hard slow over doing things the hard, slow way. The
very general use of farm powers is an example. As a matter of fact, the farmer has as mechanic. Take the average barn for illustration.
Locate one of the simple, dependable 1. H. C, gasoline engines, such as is shown here, outside the barn door, or
within thie barn, forthat moturand what a world of harn, forthat matur, and will Rave! Yo
will have a power house will have a power house ensilage, turn the famning mill, pump water, run the cream separator, el vate
hay to the mow, and do a dozel. other things.

tread power or on a circular dirive, to
operate a complicated system of operate a complicated system of gear
wheels. The consequence was that most of the
hard power jobs were hat 1. H. C. enzines, being so simple, so efficient. so dependabie, and furnishing

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## FEBRUARY 1. 1908


#### Abstract

notice tosubscribeles. Remitrances. In nending money to the 1 . Grocx tsspscton please observe that the Clea ini Houne will not aceept private ehecks at par. .i.e mett by paetal or express orders, eastern bank es -hange, regitatered letter, or if by private eis * add twenty-Are centator collections Amount ese than 81 can be pald to poetage stampe.


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of their subecription must notify un in writing to that effect other wine we shall consider it is their leotion for the same
CuANGRs or ADDRERS. When a change of ad-
treas if ordered, both them ress is ordered, both the new and old address
must be given and notice seut iwo weakr before must be given and notice seat iwe weokr before
Che change if desired. Wo require this on acsount of our heary mallesg list.

Combination sale of Hereford s at Kansas City, Feb. 25, 26 and 72. C. A. Starnard, Manager.

Col. L. D. Bolton of Texline blew into Woodward one day last week on the hunt for land seekers. He was a prominent factor as chief clerk in the last Okla homa assembly.

The National Board of lood and Drug Inspection will have a general hearing on the labeling of stoek and cattle foods and medicines, at the Chemistry Building in Washington D. C. Feb, 10, 1908 at 10 a. m. All farmers growing cattle or stock feed are invited to be present and show why?

Before a man is married he can have piltow cushions tucked all arcund him in any girl's par lor, but after marriage the act of resting his weary head on a pil low calls forth from his wife "Dont put your head on that Can't you see that cushion is to pretty for any man's greasy head to lie o.."-Haviland On looker.
The farm hand that would find fault w th the offer of a Monrue county. with the. offer of a Monroe conaty.
Mi isouri, farmer would growl at $h$ : Missouri, farmer would growl at h
mother-in-/aw. This Monroe count? man wants a hand and off $\cdot \mathbf{r s} \$ 30$ per month in cash, a bouse reut free, all the milk be can use and his wood. tsut will the farmer furnish the wo od already chopped If he will and the work is light. we know of a band or two that he might get.

## Good News For Woodward.

Topeka, Jan. 10.-The Atchi son, Topeka \& Santa Fe Railway company announced today that regular service $w$ ill be established on the Belen cut-off; or East ern railiray, of New Mexico, Jan 18, The line has been four years under contruction. This route will avoid the heavy grades of the Raton and Glorietta moun toin ranges with their average hieght of 7,500 feet. The cut-off will be $u$ sed for the time principaily for Pacific coast freight traific.

The above dispatch is authority for sayiny that Woodward is now on the "main line to Califer nia" of the great transcontinental railway known as the Sinta Fe. I'he opening of this line shonld furnish cause for jublation here and the News suggests a meeting of our business men to properls take into account the great value of this splendid ad dition to the value of the location of on prosperous young city.

WILL ATEEND CONVENTION.
W.ehita, Kans, Jan. 14th, 1908. W. E. Bolton, Wuod ward, Okla. Dear Sir:

Yours of Jan, 9th at hand, and I nute what yon say in regard to he convention th is year, have showed your letter to all the boy, and no doubt we will have quite a good delegation from here.
Have also written the manager of the Lowen hotel to save us two of his best rooms, for bend quarters. Hop ing your convention will be well $\mathbf{a}^{*}-$ tended gain this year I am,

Very trulv.
H. E. Newlin.

Seo'y, Wiehita Union Stoeks Ydṣ Co.,
DANDY SHOW AND SALE.
The following letter fron in in iger of the Enid Cravention and Sale is ncouraginz:
Enid, Okla , Jan. 17th, '08.
Your favor of the 14 h was duly received. I also received the letter trom he juek an whose name I cannot re call and wrote him giving hiu the erms of our sale aud invited him to bring his stock to the sale.
I note what you say cef rring Dr. A. D. Melvin and will use the same in our advertising matter.
Everything is miving along vary nicely and the out look is gool for a fine anid dandv show and sale

Very truly vours.
F. S. Kirk, Manger.

Notice, New Forms. For Applicatio 1s and Proofs.
Department of the Interior, General Land Oifice, Washington, D. C., Dec. 27, 1907.

New forms of applications for homestead entry, soldier's additional homestead entry. desert land entry, and for timber or stone sworn statements, timber or stone final proofs, and yesrly in desert land cases, hive been adopted, and on and after March 1, 1908, no entries will be allowed in the class of cases ab wa montioned unless executed upon the new official forms, or upon forms which are exact duplicates thereof, both as to wording, arrangement, and size. Each of said forms is a combination of the several forms and affida its formerly forms and affidavits former$y$ required to be filed in such cases, and the use thereof will result in a saving of time, labor, expense to the local land officers, pioof-taking officers, and claim-
ants. $\quad$ R. A. Ballinger.
Commissioner.

Ministe:-Why is it, Jo in, that you san' go to town withont getting under the influence of liq iort
John-De folks axes me ter drink in I kain't bery well 'fuse it, sah.
Minister-Tut! Paople don't ask me to drink when I visit them.
John-[ rekkon I's mo' pop'lar dac yo' is, sah.-Judge.

The Live Stook-Inspector cx tisements to its columns. If ar ing any advertisement or ads If you wish to buy anything that us and we will refer you to the

A postal card, addressed to the S retary of the Oklahoma Live Stock As sociation, Woodward, Okla., will rigg by return mail a full set of blanks necessary for becoming a member of pertaining to the same.
Woodward is conceded to to the coming chief city of Oklat o ma. Push it along.

The trade territory of Woor ward merchants is unsurpass. by any city in Okiahoma.

Col. David Leahy has been e ployed as editor-in-cheif of $t$ Wichita Daily Fagle, a wort: successor to the talented and bc loved Col. M. M. Murdock.
"Best climate on earth" is the remark of every citizen of Wood ward. It is just exactly right, half way up the slope and destined to be the western metropolis of Oklahoms.

Geo. W. Carr is announcing a big combination sale at his place March 4th and 5th, 1908. See bills.

Kansas is hard at work, trying to copy the progress of Oklahoma and wlll soon have a bank. law guaranteeing depositors. All states will soon follow and the days of the "run" on banks will end forever.
G. W. Carr. H. Baker, Chas Cinnamon and S. B. Kyser were in Woodward last Friday with 14 biles of cotton. Mr. Carr re mained over and visited with his family until Tuesiay when he roturned to his mran nenr Dtone.

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ises great eare in admutting adveriur readers wish information regardiserwe would be glad to give same. tot advertised in our colunas, write place to buy.


rtow to Examiay a Stck Animal By Dr. Davit Poberts.

First take the temperware of the snimal by placing a self registering Veternary Fever Thermmmater into the rectum, allowing it to remain there from three to five minates. : he normal temperata"e of a eow is 101 degrees (Fahreabelt) and the normal temperatare of a horse is 100 degrers (Fabrenheit); boz 100 degrees: sh eep 101 degrees.
Second, take the pulse of the animal, which ean he found at the angle of the lower jaw bone. The normal beats of a cow's puise is from 40 to 5 t er ainate sil ty,s of a horse from 33 to 40 per minate
Chird, eoont the respirations of thanimal, or unmber of times it breathes by watchine the si les of flaiks, or ay pressing the ear to the side. The nor tual respiration of a eow is from 15 to 20 por minute, while resting.
If the temperatare, pulse or respiration are found to be bigher or faster than above describenl, you will know that the animal is aiving.

## Wry Tailed Fowis

Wry tasled in towls ate generally the results of injuries suffered by the birds when young. It is vers often dae to letuing chicks ran witu Iarger fowls. In this way they are stepped on or otherwise hart while feeding huddling together at night they are frequently pushed agaruat the sides of the coops and the injury to their back: is aggravated and often made per-
menent. When the ihjury is one that menent. When the ihjory is one that causes the cords which move the tail
rin < tue er atracted cord wiun a sharp knife. It is.etten hard to diveover the crue eanse of wry tail, berause it cloes not become apoarent until the einiek tealbers. Fowls that show thit d-feet sbeuld not be used for breeditaz parposeg, as the ailment may be of 'a liereditary natuce.

## Mexican Egz Test'ng

Mexieans text eges by placing the samall ends in their mouths. Toan ou looker it woulh appear that they wer tasting them. but ithey sre wot. In faet the tongue, b -ver comes in contact with the stiell, It is a eommon sight on the diaza to see both the eustomers ano the market women place egg. to their lips. Their thea is that whet on ege is fresh, one end is enld.r than the other. As the end that has the air chamber in it is the warmer, it is easy ta tell whether the equ is kood or bad If botif rnds of the egg are the same itmperature it is pat down as a bad egk: as it is reasonable to *ippose fibat the air eells bave become broken and the coutents have spread equally within the sbell.

## Dust Boxe's

Do not forcet that the fowis sbould have their dast baths at this trme of tha gear. A great many do not provide dast for even the winter and a number who do so, forget the neerssity of it during the spring. The dust bath is nature's way of destroying the lice which sometimes infeat the binds. and if yoa do not giving them the nat ural meais of cumbattiog the pest. If it is dry and has boen mand for
some time there may be enough dat some time in-ce may be ebouzt dut of a rity buyer. A litte additional In the road for this purpose. It wot, erowamg, fozecher with blanketing take up a gallon or two of Eround for a montit will also add r soil bit to Where it is at d,y at ponihhe, ant the selling price,-Frank lan place it in the oven till nesing all of the moisture has been removed. Then mix it equal parts with woud whers and place thit inixrure in the dit-time box. You will"timi ithat th - at ac swer the púrpose atmiriblv. In fret is will be as effeetive as the finest dhat in the roadway. Sumetime it is advisable to mix a littie salphur with "te ashes and dried dirt. Tuis ascistin cerlloyng some of the pests whieh are, 100 strong for the diri or the asb: $s$

## SHORT TALKS

For intestinal worms in colts the fol lowing mixture is used by veleritiarians: Mix together as a basp oue onund eaeh of salt and granuisted sugar, it tais mix one half praud of tubaeeo or fine eat tobaceo, four onaces of sal-phat- of iron powiler, sixjounces of powdered worm reed. Give a heaping teaspeonful in the feed at first once per day, then twiee per day, and keed I: ap for three wreks.
James Munson, a nortbern Iowa hog raiser gives this as bis treatment for worms in hozs: When I think, wy pigs have worms I take them oft feed and even water at night. The next morning I mix up a good dose of feed and turpentine. In the evening you will see results. If that do-s $\mathrm{b}=\mathrm{t}$ do give another dose. When they get in that condition they $\mid$ will cough and their enats get rough ald they do mit eat well.
Every burdred wounds additional weicht in the sure of a havy draft borse is worth from 25 to 50 cents wore ptr buidredweight when making a sale. A farmer is in position to tepd as cheaply as any professional feeder. To sell well on tha market horses uns be fat, sleek and rell groound The buyers demand fat. If one has tume tu give proper exercise and light work, somethinz may be added to the value of the horse, and it will be
ready to go right into the heavy. work

Lie tion and poor feed. Grease nf an king will destrov on cattle, bat geet. should not be nse t if it ean or av it ei. First wavh the anom I with kero sene emalsion and follow with elrar wa'er. Whon the skin is d-v, dast every portion of the nodv with a mix tura of a peck of earbonate of lime nd , bushel of elean, try dirt. If a sinzle anima' is infestel with li, the otliers will soon be in the sant con li tion unless remedies are used as pre vt ntives.-Dr. Stmead.

DON'T USE SEVERE BITS
The use of a sevpre bit in driving a horse is andoubtedis wro's. A horsa
man speakiog of this matier recenty man speakiog of this matter recently said:
experiegce has hed thy ay anse.can be successfully driven with anything like a sev-re hit. I never saw onte that was ever btoken of the put a sever. bi in that, way. If $\mathbf{y}$ vu and pall on it, $t$ makes the hor-6 mad and irritates him: the farther ya drive hom and tha harder voi pull hin the more he will pull againat it Wnen I was a boy, almot every tryt tol saw wonld nall in a disugetable speed. At the presint driven at tom think of one norse that is eas not tik firnt elics that pall is anythin make it dissagreathle fors enough to time. A great mav people think tha everv horje should beosle thivk tha nivereheck. I cin remamber wh n I had the same opi ion myself. I am take. There are s creat many hor'sos that will not tiake kinaly to sn over thee, and if $y, u$ insist on using it on them it will sconer or later spoil the nor ers disposition to a great extent. is to make a care in $t$ aining a horse is to make a care ul study of the snimal, lescning a! h his pecalistitiez. think one vital mistake in ude, et: I tramber vital mistake in ude ty men seem to think that h. rsies are do not seem to think that h. rsas are made af
flesh and blood, and vary nearly hu
man in all therr ways,

# Six Day Sale ${ }^{{ }^{n_{d}} \text { Show }}$ 

ALL breEDS HORSES, CATTLE AND HOGS
WILL BE HELD AT

## Enid, Oklahoma, Convention Week,

Six Hundred and Seven Head of Fine Stock was on Exhibition at Our 1907 Show. We Want One Thousand in 1908.

## \$5000 HAS BEEN DONATED TO PAY PREMIUMS AND EXPENSES.

More than three hundred head fine Horss, Cutt) , ind Hogs were sold in our 1907 sale. It was by far the largest and best sale ever held in Oklahoma, nothing on record compares with it. but look out for next one 'I his is the great annual event of the Oliahoma Breeders, the annual convention of the Improved Live Stock Breeders Association and the Cathlemens Association
Twenty five thou and members and visitors will attend this show a.d sale. Consignments solicited of stricily high class stock, mo other kind will be sold. Send in your entries at once as sale will be limited.

TERMS OF SALE: $\$ 10$ for horses, $\$ 8$ for cattle, and $\$ 5$ for hogs. Sale charges due with entries.

TERMS OF SHOW: Competition open to the world. Free entrance, free stalls, free bedding and free admittance to all. Everybody invited.

SaLE AND SHOW WILL BE HELD IN MODERN BRICK
BUILDING, STEAM HEAT AND ELECTRIC LIGHTS.

## FRANK KIRK, SALE MANAGER

For Oklahoma Improved Live Stock Breeders Association and Cattlemen's Association. FOR REFERENCE: T. E. Smith, Norman, Okla.; C. S. Williams, Tishomingo, Okla., W. W. Myatt, Tulsa, Okla., Wm. Bolton, Woodward, Okla., Scott \& Marsh, Belton, Mo., Case \& Newell, Carthage, Mo., Harriman Bros., Bunceton, Mo.

## Wichita Union Stock Yards Co.

MADE AN INCREASE IN BUSINESS F( R YEAR 1907. nearly five times greater than any stock yards, in the country. Our increase was 55.38 per cent. We received in 1907, 95666 cattle, au increase of 48877 over 1906. We received in 1907, 436119 hogs. An increase of 134470 over 1906. We thank the people of the great southwest.

## THE WICHITA UNION STOCK YARDS COMPANY

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He Wants to Tell You All About It.
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[^0]:    A new system of corn culture seeks to retard the over-production of stalk in the early history of the plant's growth and later when the plant is ready to ear stimulating the developready to ear stimulating the develil. ment of the ear by the use of fertilis. ers and cultivation.

[^1]:    Four Mllus North or Lexinaton, o, т.
    SHORT HORN CATTLE
    POLAND-CHINA. HOGS
    Herd bulls Ravenwood Count 2nd 181, $\mathbf{6 4}$, and Scotch Vincent 2nd 215,$393 ;$ Scoteh and Scoteh Topped cows of elect breeding and indiidduaity. The home of the Grand Chanpion Sweep Stakes bull and
    Herd ow also first in herd at Oklahoma City Royal Feby., $23,24 \& 25$ Oavn Boar Axlines Perfection 32.655.
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