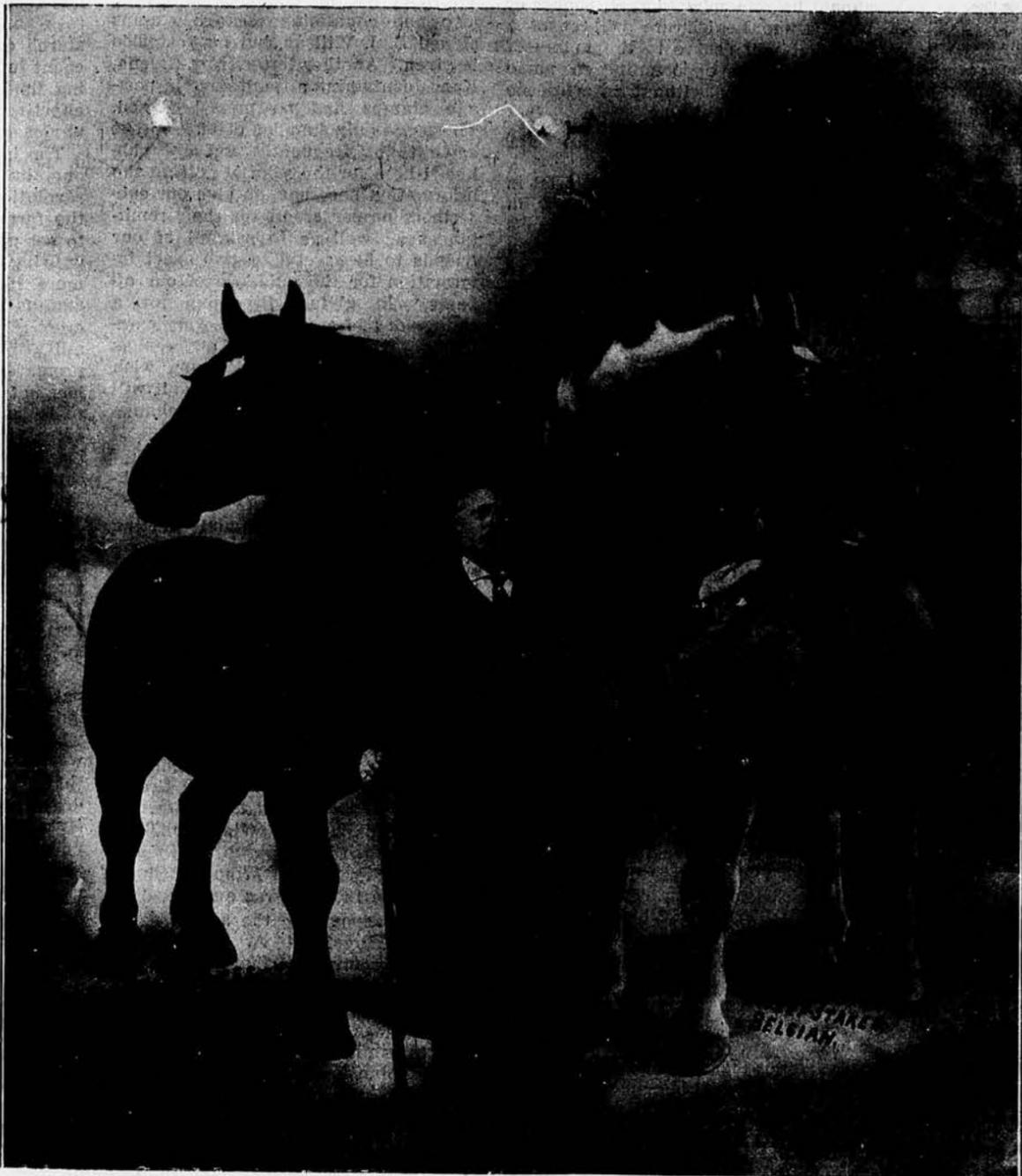


KANSAS FARMER

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TOPEKA, KANSAS, JANUARY 16, 1908

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KANSAS FARMER.

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EXTRA SESSION OF THE LEGISLATURE.

Called together in extraordinary session by the Governor's proclamation, the Legislature of Kansas will meet on Thursday, January 16, 1907. In his call, the Governor mentions several matters of importance. First, the need of a guaranty deposit law, second, some additions to the tax law; third a primary election law.

In some States the subjects that may be considered by the Legislature during an extra session are only those enumerated by the Governor in his call. In Kansas there is no such limitation.

The importance of a law providing absolute safety for bank deposits is so well recognized in Kansas that its passage ought to be certain. It has been assumed that, while the State law could not compel National banks to come under its provisions, yet they would be able to avail themselves of an option to do so. A recent opinion by the National officer under whose supervision the National banks are conducted is to the effect that National banks can not place their depositors under such protection under State laws. [Contradicted by later dispatches.]

The enactment of a law in Kansas which should make depositors in State banks absolutely safe while leaving depositors in National banks exposed to whatever risks have heretofore existed would be likely to take a large volume of deposits from National to State banks.

While this situation demonstrates the wisdom of the guaranty principle, the hardship likely to accrue to National banks will probably bring their strenuous opposition to the measure.

If the Congress were proposing to enact a guaranty law for National banks, thereby placing them in a position at least as strong as that proposed for the State banks, there would of course, be little if any opposition to the proposed State legislation. But unfortunately the bosses of the Congress are still doing business. They have declared against any guaranty deposit measure, and are likely to enact an asset currency law. This is greatly favored by trust promoters. Such a bill has been introduced by Senator Aldrich of Rhode Island, and is said to have the approval of Speaker Cannon.

THE KANSAS FARMER has pointed out the pernicious character of such a

measure. It may have some merits from the speculator's point of view, and the producer's interests may not seem of sufficient importance to merit serious consideration by the men who are running the machine at Washington.

But, the Kansas Legislature should go forward and make it possible for depositors in this State to be safe. They should make bank runs, financial panics, and the hoarding of money absurd here. The National banks can surrender their charters and can organize under the State law, if they can not obtain from Washington the right to take advantage of State provisions without resorting to their heroic measures.

In considering amendments to the tax law, the Legislature will have the advantage of the carefully worked out opinions of the Tax Commission. The needed amendments should require little time, and should cause no controversy.

The proposed primary election bill may become the principal subject of contention. Whatever may be done or left undone at the extra session, it should be remembered that, sooner or later, some Legislature will enact a law that will assure to the voters of any party the opportunity to name their candidates without interference from dictators or fixers.

A CORRECTION.

An error occurred in an editorial in THE KANSAS FARMER of January 2, in which it was stated that 2,200 pounds of corn to 2,000 pounds of linseed-meal would give a ration having a nutritive ratio of 1 to 6. The editor does not now know how the error was made, having not preserved his computation figures. A ration of corn and linseed-meal to have a ratio of 1 to 6 would contain almost exactly 4 1/2 times as many pounds of corn as of linseed-meal. To each ton of linseed-meal there should be used about 154 bushels of corn.

CONSTITUTION FOR FARMERS' CLUB.

EDITOR KANSAS FARMER:—We organized a farmers' association a few days ago, for the purpose of getting together and discussing farming in general. If not imposing on your time would like some information as how to conduct such an organization. L. A. RUNDLELL, Montgomery County.

To a former inquiry along this line the editor prepared an answer which seems to need no amendment. It follows:

In general, the less machinery there is about an organization of this kind the better. Some successful clubs have no written constitution or by-laws, but it is better to have a few simple provisions to give form to the organization. Rules of order may generally be omitted and dependence placed on general parliamentary law. By-laws may be omitted until the need for them arises when they may be made as suggested by the requirements.

The following skeleton of a constitution may be helpful—indeed, it may when the blanks shall have been filled, be all that will be required for the organization of a most useful club. Of course, variations may be introduced as thought desirable by those interested:

THE _____ CLUB.

CONSTITUTION.

Article 1. The name of this organization is the _____.

Article 2. The purposes of this organization are to exchange views and information on the various branches of farming and to discuss matters of interest to farmers and their families.

Article 3. Any person engaged in farming may become a member of this club on payment of a membership fee of _____.

Article 4. The officers of this club shall be president, vice-president, secretary, and treasurer, whose duties shall be such as usually appertain to their offices respectively. They shall be elected by ballot, and shall hold office for one year, and until their successors shall have been elected.

Article 5. The regular meetings of this club shall be held on the _____.

Special meetings may be held on call of the president, or, in his absence, on call of the vice-president.

Article 6. The program of exercises for each meeting shall be made out by the president, who shall give each person assigned to a place on the program, at least one week's notice of the part he is expected to take.

Article 7. This constitution may be amended at any regular meeting by vote of a majority of the members present.

CARELESSNESS.

THE KANSAS FARMER receives occasional letters from its subscribers to which the writers forget to sign their names or on which they fail to give the name of their postoffice address. Just now we have a letter asking that the address of the writer be changed to Camp Ellingrove, No. 1, Hawkins, Wis., but the writer has failed to sign his name or to give his present address.

We have a letter containing money from Route 1, Mound Valley, Kans., to which no name is signed. Another letter containing money is signed by G. W. Brim but no postoffice is given; also one containing postage stamps signed E. J. Willson, but no postoffice is given. Another letter from Galena, Kans., containing a remittance in postage stamps has no named signed. These are only samples of letters that come to us frequently and are published here for the sake of getting the information necessary to give our subscribers proper credit for their remittances as well as to ask all of our friends to be careful to give exact information for the guidance of our officers. In giving directions for a change of address please be very careful to give your present address as well as the one to which you wish your paper changed. Otherwise it will be impossible to make the change promptly as desired.

THE STATE BOARD OF AGRICULTURE.

The thirty-seventh annual meeting of the Kansas State Board of Agriculture, which held its sessions in Representative Hall, January 8, 9, and 10, was one of the most interesting and important ever held by this board. The illness of Secretary Coburn, and his consequent absence, cast a shadow over the meetings, but there was the same spirit of energy that has always prevailed in this notable gathering.

From the addresses of welcome by Governor Hoch and by Mayor Green, of Topeka, to the last number, "A Homely Maxim by a Wise Man," by Mrs. Eustace H. Brown, president Kansas Federation of Women's Clubs, Olathe, the interest was sustained.

In his response to the addresses of welcome, President A. L. Sponsler paid the following tribute to the absent secretary:

"Mr. Coburn is the pride of this State and an example to all men who hope to win by work. It is he to whom credit is due for the popularity of this board and the world-wide value of its reports."

One of the interesting papers on the program was entitled "Relation of the Farmer to the Banker and the Banker to the Farmer." This was by Peter Shiras, of Ottawa. Mr. Shiras had been a farmer and has turned banker. Replying to a question relative to the proposed guaranty deposit measure Mr. Shiras said:

"It's going to be the law and that's about what there is to it for me to say. However, I will admit that it is rather humiliating to bankers, because it puts the man with many years' experience down about on the same basis as the man who might start in right now."

It may be that whatever of imagined humiliation there is for the banker, in the proposed law, will be compensated by the assurance that bank runs will have become a thing of the past, that times of financial disturbance are not likely to occur, and that in any case the bankers' friends who have entrusted their money to his keeping can not be ruined because

some inexperienced or unwise bank suspected of being in an unsound condition has been the means of precipitating a run that can easily spread to the most conservatively managed bank. The assurance that the measure will become a law is most welcome to persons who have felt impelled to hide their money, and to persons whose enterprises depend on discounting for working capital.

It will be possible to notice here only a few of the addresses and papers presented. Others will be published in part or in full in subsequent numbers of THE KANSAS FARMER.

An address that was especially interesting on account of the subject matter and the ability with which it was presented treated of "Denatured Alcohol and the Farmer," by Rodney H. True, of the United States Department of Agriculture. There are those who hope that the American farmer will become a distiller of alcohol in a small way on his farm. Mr. True explained the provisions of the revenue laws as constructed to favor the small manufacturer of industrial alcohol. He also showed that certain waste materials such as corn stalks, defective potatoes, and other articles containing starch or sugar may be turned to account in producing a heating and lighting fluid almost equal to gasoline in effectiveness and devoid of gasoline's unpleasant odor.

The industrial alcohol law is a wise one, but not until after some great revolution in economic conditions will the farmer probably find it profitable to set up a little still and the accompanying appliances. He is scarcely more likely to take up this line of manufacturing on the farm than to erect a little grist mill, a little woolen mill, or a little packing-house. The promoter for the farm distilling plant has not yet appeared. He is certain to be around after the farmer's money as soon as the facts and figures can be distorted into showing a profit from this kind of manufacturing.

The report of Prof. S. J. Hunter on "Experiments with and Knowledge of the Green Bug, to Date" showed the work done last season to have been most important. It also showed that the green bug is now doing business at a few places in Kansas. It is pleasant to note that the parasite is also present at some of these places. The parasite has been accredited with requiring warmer weather than that in which the green bug may thrive. It was not suggested by the professor that a hardy race of parasites is being developed, but let us hope that such is the case and that the bug's enemy may be always with her.

It is pleasant to note that in the coming season's campaign against the green bug the entomologist of the State University, Professor Hunter, who did such excellent work last season will be in hearty cooperation with the entomologist of the Agricultural College, Professor Headlee. If, now, the Legislature shall provide a modest appropriation, there is great hope that these two institutions will be able to greatly reduce, perhaps entirely avert, damage from this pest.

One of the most enjoyable numbers of the program was entitled, "Balanced Rations," by Mrs. Lilla Day Monroe, of Topeka. Mrs. Monroe was raised on a farm, but is now a practicing lawyer in partnership with her husband at Topeka. Her paper was a sociological study. It abounded with illustrations from the observations of a woman who sees with the heart of a wife and mother and analyzes with judicial insight. Her loyalty to Kansas started a lively discussion which, however, evinced too little appreciation of the sociological aspects of the paper.

The improvement of rural schools, a subject which lies close to the heart of many thousands of parents in Kansas, was considered by State Superintendent Fairchild. The keynote of all plans for bringing the rural schools up to the requirements of the age is consolidation. Under the able leadership of the State Superintendent consolidation should make rapid progress.

The surprise of the meeting came

on the election of members of the board. The electors are the members of the board and delegates from county fair associations. There are ten members of the board. The terms of half of these expire each year. It has been an almost uniform custom to reelect the outgoing members. But this year W. R. Dowling, of Norcatar, was superseded by R. B. Ward, of Belleville. But the great surprise occurred when A. W. Smith, of Groveland, McPherson County, received a smaller vote than was cast for Geo. B. Ross, of Alden, Rice County.

The old officers were all reelected for one year except Secretary Coburn, who was elected for two years.

As now constituted the officers and members are as follows:

A. L. Sponsler, president, Hutchinson; Chas. E. Sutton, vice-president, Lawrence; Edwin Snyder, treasurer, Oskaloosa; F. D. Coburn, secretary, Topeka; E. W. Hoch, Governor (ex-officio), Topeka; C. E. Denton, Secretary of State (ex-officio), Topeka; J. T. Tredway, La Harpe, Allen County; G. W. Glick, Atchison, Atchison County; Edwin Taylor, Edwardsville, Wyandotte County; Geo. W. Hanna, Clay Center, Clay County; J. W. Robison, Eldorado, Butler County; R. B. Ward, Belleville, Republic County; Thos. M. Potter, Peabody, Marlon County; Geo. B. Ross, Alden, Rice County; I. L. Diesem, Garden City, Finney County; T. A. Hubbard, Wellington, Sumner County.

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FARMERS' WEEK AT TOPEKA.

For more than a decade the principal agricultural events of the year for Kansas have been held the second week in January.

The eighteenth annual meeting of the Kansas Improved Stock Breeders' Association; the thirty-seventh annual meeting of the Kansas State Board of Agriculture and the annual meeting and week's exhibition of the Kansas State Poultry Association constituted the attractions of "farmers' week" at Topeka, January 6 to 11, 1908.

The stock-breeders' meeting had a reduced attendance but every number on the program was of unusual excellence, interest, and practical value. Spirited discussions followed each paper or address and keen interest was manifested until the last moment, when it became necessary to adjourn so as not to infringe on the time of the State Board of Agriculture. The meetings were held in Representative Hall in the State Capitol building.

The officers and directors elected to serve for 1908 are as follows: President, Geo. W. Berry, Lawrence; vice-president, E. W. Melville, Eudora; secretary-treasurer, H. A. Heath, Topeka; assistant secretary, I. D. Graham, Topeka. Directors: C. A. Stannard, Emporia; S. C. Hanna, Howard; Jas. Mains, Oskaloosa; E. Harrington, Baker; A. C. Shinn, Ottawa.

Owing to the long illness of President Berry, Vice-President Melville presided and delivered the president's annual address.

Vice-President Melville: Mr. Berry has not prepared the address that I expected would be here to be delivered, and in place of the address I want to make just a few remarks in the shape of recommends for the improvement of the order and bettering the work that may be done by the members. Now, I wrote Mr. Heath some time ago, and he thought it would be a good subject to be brought up this evening, that there was a large market in Old Mexico opening up before us, and that it would be a pretty good time for Kansas breeders and the association to push this forward, and try to get into that market. I would suggest on that line that we do something similar to what the Hereford and Shorthorn men have done before us—that we make up one, two, or more cars of Kansas stock and send it there as Kansas stock, not as representatives of the National Association, but as representatives of the Kansas breeders, with Kansas-bred stuff, and

try to push Kansas-bred stuff in that market, and open up a market for our breeders instead of letting it go farther east. That opportunity is before us now, I think, if we will take hold of it, and I would like to see that subject taken up and discussed at this meeting.

Another point that we might consider during the session is—I hardly know how to put it—but the suggestion has been made that we could have, in addition to our annual proceedings, a monthly pamphlet or bulletin issued, containing the addresses of breeders, together with class of stock and the different kinds of stock and their herd-headers, to place before inquirers and prospective purchasers. They could be issued under the supervision of the secretary; and another pamphlet could be issued after soliciting through some prominent paper such as THE KANSAS FARMER, that has always shown a willingness to help us, soliciting inquiries for pure breeds of stock; those inquiries to be registered by the secretary and issued in monthly bulletins to the membership. That would not only bring together the breeder and the purchaser, but it would make those of our members who never come to the meetings here feel as though they were a little bit more connected, and that the association was looking after their interests. Now, heretofore, while we have all enjoyed the meetings here we have never made a move or taken any steps as an association to push the work and to bring ourselves prominently before the public. All that has been done is to publish the proceedings of the meetings here, but there is no work outside of that, and there has been no work done to push our stuff. Heretofore every individual man has been left to attend to this work for himself, and we have all been a little bit selfish, and probably some of us have neglected to push our brothers' interest at times when we could not push our own. Now, there is no room for jealousy between breeders; there is room for every one of us, and the nearer we get to the top the more room there is, and it should be our aim to reach as near the top as possible with our own breeds, but while we are reaching for that place, we have opportunities to do missionary work, and to help our fellow breeders, and we as members of the association should go forward on that line, and make individual efforts to forget ourselves once in a while in an endeavor to help others.

There is another subject that we are still interested in and that has been brought continually before us—the State fair. Our members have been faithfully working, but it will be necessary, if we ever have a State fair, for the membership through the State to do more work in this line, and remind the representatives that are to be elected that we as stockmen are interested in this question, and that we think this State is amply able, and as we are one of the largest tax-paying factors in the State that we have a right to demand that this State shall back up a State fair, and do it in such a manner that we will have a permanent and successful fair.

Another point that we want to bring before that same body, and we must do it by going to the individual members, is to publish our proceedings at the expense of the State, the same as the proceedings of the other public bodies. There is a continual inquiry for our proceedings and the secretary has always been hampered for funds. These proceedings might do lots of good to the people at large through the State and would do a great deal of good for breeders if they could be put before the class of people who would like to have them, but the supply has always been so limited that the secretary has never been able to make it generally known that they could be had on application. We ought to have them, and the State ought to be perfectly willing to give us an appropriation sufficiently large to publish thirty or forty thousand of the reports annually. If we could get

this done that would relieve the funds so that we could carry out this pamphlet or monthly bulletin idea or any other idea that might come up without asking for any increased revenue from any source. I would suggest that these subjects be taken up, and that every one feel free to bring up any point that has been suggested, or any other subject that is for the good of the order, and discuss them fully, as opportunity offers, during the meeting.

Secretary's Annual Report for 1907.

H. A. HEATH, TOPEKA, KANS.

Notwithstanding the "financial flurry" at the close of the year, 1907 has been a fairly prosperous year for the stock-raiser, and the outlook for 1908 is bright and encouraging. "Confidence is abroad in the land; distrust and apprehension have gone 'way back.'" There is no reason why 1908 should not be a record-breaking year. So let's pull together strong, long, and willingly.

An authoritative estimate of the value of live stock marketed in the United States in 1907 is \$700,000,000, the industry you represent.

The domestic consumption of beef in 1907 was of record-breaking volume in spite of diminished export demand. In the Chicago market, during eight months of the year, fat cattle sold above \$7. The hog market was profitable to the grower excepting November and December.

The average on pure-bred cattle sales for 1907 is the highest since 1903. According to the Breeder's Gazette review:

33 Shorthorn sales averaged....	\$160.15
29 Hereford sales averaged.....	123.70
18 Aberdeen-Angus sales aver....	134.75
3 Galloway sales averaged.....	139.05
3 Red Polled sales averaged....	83.65

The outlook is accordingly brighter and private sales are brisker and prices satisfactory.

The most promising field at present is for dairy stock, especially for pure-bred and high grades. The demand at good prices is greatly in excess of the supply.

The general farmer has been an unusually good buyer of pure-bred stock during the past year, especially of cattle and hogs, and what is better for the breeder he paid cash and not "hot blood" paper or "eternity" notes.

The activity of the creamery business and the remunerative price for butter-fat and dairy products has stimulated a fast-growing demand for dairy cattle. There is a bright outlook for the breeders of dairy cattle.

The business in pure-bred swine for 1907 was of record-breaking volume and prices paid were never equalled before, and the number of such sales was not small. The auction and private sales of Berkshires, Poland-Chinas, Duroc-Jerseys, and Chester Whites surpass all previous records, and even the present lower market for fat hogs does not show any tendency to curtail prospects for continued prosperity for the swine-breeder.

The markets show a phenomenal year in muttons. In Chicago Western lambs, in the wool, sold at \$9.25 in June. More breeding ewes went to the country above \$5, and feeding lambs above \$7 than ever before. The sheep industry in Kansas is disgustingly small. Our association, as well as the farmers of Kansas, should "sit up and take notice" and pay more attention to this much-neglected industry. There is no class of stock that will give more profitable returns than sheep, the aristocratic hog not excepted.

The horse industry of Kansas is flourishing as never before. The auction and private sales during 1907 were never better, and the outlook for the future has a roseate hue. The fast-increasing demand for automobiles seems to stimulate an increasing demand for good stallions. I suggest that you buy a good stallion first and he will make the profits to enable you to buy an auto.

OUR ASSOCIATION.

"United we stand, divided we fall." "Whosoever will may come." Progress and improvement in breeding and methods of live-stock husbandry have

ever been the watchword and keynote of this association, in consequence of which the Kansas Improved Stock Breeders' Association holds the proved distinction of being the largest and most active and influential State organization in the United States.

We must all strive to maintain and enhance, if possible, our present high rank. Every farmer and stock-raiser in Kansas has been a beneficiary of this association. The influence of its aggressive and practical work has been felt and heeded in the State and Nation. In Kansas alone during its eighteen years of existence it has been worth millions of dollars by reason of the improvement of our domestic animals and improved methods of live-stock husbandry generally.

The active members, however, are the greatest beneficiaries, especially those who have the privilege of attending the annual meetings and enjoying the personal intercourse, the exchange of ideas, comparing notes and discussing the problems of the industry. All of which is worth many times the cost of time and money expended.

Every member receives several times the value of annual dues in the advertising received in our Annual and classified Kansas Breeders' Directory, and in receiving regularly the reports of the United States and State.

We should have now over 2,000 active members among those interested in pure-bred stock in addition to a larger list of feeders and general farmers, who should gladly be identified with this organization.

If every present member should add only one new member during 1908 we would have a membership of 2,500 before the close of the present year.

We have approximately 900 members, adding the number for 1907 not included in our last Directory. Of this number 131 are breeders of horses classified as follows: Belgian and Shires, 3; Clydesdales, 5; Coachers, 9; Percherons, 68; Saddlers, 7; Standard-breeds, 38.

Members who are cattle-breeders are classified as follows: Aberdeen-Angus, 37; Galloways, 21; Herefords, 126; Holstein-Friesians, 10; Jerseys, 9; Polled Durhams, 10; Red Polls, 27; Shorthorns, 264.

Breeders of pure-bred swine are classified as follows: Berkshires, 47; Chester Whites or O. I. C.'s, 21; Duroc-Jerseys, 96; Poland-Chinas, 260; Tamworths, 3.

There are 10 breeders of jacks and mules; 35 breeding sheep; 60 fine poultry; 35 feeders and improved stock, and about 45 in the miscellaneous list representing allied interests.

During 1907 we added forty-seven new members as follows:

Geo. F. Beezley, Girard; Scott R. Buck, Eskridge; E. E. Booker, Beloit; H. P. Bacon, Sylvan Grove; K. C. Berry, Eskridge; W. N. Banks, Independence; Claude R. Bardrick, Miltonvale; J. H. Becker, Newton; I. B. Browning, Mt. Ida; Herbert J. Covell, Topeka; W. T. Carlisle, Stafford; A. H. Cooper, Natoma; J. H. Elward & Son, Castleton; Jas. Faskins, Delavan; O. J. Duncan, Coffeyville; E. J. Gullbert, Gill; Col. Ed Green, Florence; R. W. Goodman, St. John; Geo. Hennes, Burns; P. F. Hendershot, Stockton; Dick Hays, Bazaar; M. H. Johnson, Potwin; C. J. Johnson, Solomon Rapids; D. B. Johnson, Merriam; D. F. Jones, Cimarron; Geo. W. King, Norton; Chas. D. Knight, Oketo; Daniel Kerr, Harris; John Kiefner, Jr. Garden Plaine; Wm. Mahannah, Sedgwick; J. B. Morse, Basco, Wis.; J. T. Martin, Washington; C. H. Martin, Harper; Woodson McCoy, Wilder; Walter Pleasant, Ottawa; Pollman Bros., Lacygne; D. E. Romary, Lebo; S. B. Rohrer, Topeka; S. T. Slabaugh, Cedar Point; A. M. Story, Manhattan; W. A. Scofield, Topeka; Jos. Schneider, Nortonville; E. S. Stoddard, Lyndon; Geo. W. Strickland, Junction City; John G. Sears, Carlisle; Stewart & Downs, Hutchinson; Earl R. Wade, Kansas City, Mo.; Yancy Wildman, Skedee, Okla.

During the same period we dropped from our roll seventeen mem-

bers, the majority of them having retired from active business. The list is as follows:

A. Ambler, Fall River; L. B. Bell, Nortonville; Benj. R. Beezley, Girard; A. L. Charles, Lancaster; S. G. Eder, Stillwell, Okla.; B. E. Grimm, Wakeney; J. C. Hyde, Topeka; O. W. Kirby, Ottawa; R. E. Lawrence, Wichita; O. E. Matson, Burden; W. A. McCroskey, Logan; R. W. Preston, Walnut; W. R. Randle, Hutchinson; Guild Bros., Sabetha; J. W. Bean, Salina; W. J. Snodgrass, Gorden; W. H. Hinshaw, Sylvia.

I wish to preface the financial report of the secretary-treasurer with an explanation of the apparent heavy expenditure for 1907. Last year we did not issue an Annual or Breeders' Directory, which necessitated an increase of expense this year in the publication of our Proceedings for 1906-7 as a biennial. Another item of unusual expense was sending out some five hundred letters to breeders and stockmen non-members, urging them to join our association, in consequence of which we have a small deficit and your secretary is again minus a salary. However, if all of our members will promptly pay up any arrears and their dues for 1908, we will be in excellent financial condition and can distribute several thousand copies of our Proceedings. We have no debts, unless you decide to pay your secretary his munificent salary, which he might have had in hand had he been a better collector.

SECRETARY-TREASURER'S REPORT.	
Cash on hand January 1, 1907...	\$32.62
From dues previous to 1907....	65.00
From dues for 1907.....	217.00
From advertisers in Directory, net.....	200.00
Total.....	\$514.62
EXPENDITURES FOR 1907.	
As per itemized account submitted in detail to executive committee, including expense of seventeenth annual meeting, printing, stationery, postage, stenographer and clerical help.....	\$273.82
To compiling and printing 5,000 Biennial Reports and Kansas Breeders' Directories.....	298.57
Total.....	\$572.39
Deficit.....	57.77

RESOLUTIONS ADOPTED.

Resolved, That this association declares its belief that all live stock, including registered stock, should be assessed at its market value as live stock not including registry or pedigree value.

Resolved, That our Secretary be directed to ask all our members on our rolls as shown by our Breeders' Directory, who are in arrears to promptly pay the same to the Secretary in order that the funds may be available at once to carry out the enlarged work of our association. Members who desire to be dropped must pay up arrears to 1908.

Resolved, That we are in favor of such State and National Legislation, so far as the same will be constitutional, as will protect the unsecured depositor in State and National bank.

Resolved, That we are exceedingly anxious to regain our lost trade with European countries for our surplus live stock and meat products, and are uncompromisingly in favor of an early enactment of reciprocal trade relations with foreign countries.

Whereas, It is necessary to enlarge the usefulness of our association, as well as to increase the membership by reason of constant work throughout the year by the individual members of the association and our executive committee, therefore be it

Resolved, That our executive committee are hereby directed to work out a plan for issuing a number of monthly bulletins during 1908 to carry out the recommendations of our president and the plans of a Community of Breeders Interests as outlined by Prof. D. H. Otis.

Farmers' Week at Columbia.

GEO. E. COLE, REPRESENTING THE KANSAS FARMER.

The farmers' convention at Columbia, Mo., last week was well attended by farmers and stockmen from all sections of the State. An interesting and comprehensive program had been prepared by the officers of the convention that was carried out almost as it had been announced.

The session throughout was an interesting one and the enthusiasm everywhere manifested during the entire convention bespeaks the true progressive spirit of the farmers and stockmen of this great State. Never before in the history of Missouri was there such widespread interest in the higher order of agriculture as now.

Farming is an applied science and the man who would achieve true suc-

cess in this line of endeavor is the one who first learns the elementaries of his profession.

The Missouri Agricultural College with its able corps of instructors is doing a commendable work in this State to bring the science of "soil tilling" to the high plane that it should occupy in human activities.

One of the noticeable features of this convention was the intense interest of the young men in the questions that were discussed by men who had made a success in this particular calling. These conventions are most helpful agencies in keeping the interest of the farm alive in the minds of the young men, and right here we want to lay a "wreath of flowers" at the feet of our fathers who have toiled so long to lay the foundation deep and wide for a higher and more profitable system of agriculture.

The convention met on Tuesday, January 7, H. J. Waters, Dean of the Agricultural College in a neat speech welcomed the guests to the convention city. Responses were made by C. O. Rains, for the corn-growers, M. V. Carroll, for the sheep men, Dr. Edna Day, for the housekeepers, and R. M. Washburn.

The week was divided among the different associations, giving part of the time to each.

The sheep men had Tuesday, corn-growers Wednesday, the live-stock men Wednesday and Thursday, and The State Dairy Association Thursday, and Friday.

TUESDAY'S SESSION.

R. W. Brown, of Carrolton, Mo., president of the live stock breeders' association in his annual address said it must be built that higher agriculture which in turn must be the foundation of every line of industry. He pointed out the advantages of growing improved live stock from the standpoint of economy and utility, and said further: "The breeding and feeding of live stock has a refining influence over man and develops within him the highest traits of character. In him you have a public spirited man who is alive to better farms, better buildings, and better social conditions. No business or profession calls for such a wide knowledge of existing conditions for its successful management as does the management of an improved stock farm. To maintain and improve his flocks and herds a man has not only to deal with living organisms which are subject to the most subtle influences in the world, but he must have the highest ideals of symmetry in animal form. As to the future outlook of live stock improvement Mr. Brown said he could see nothing in the horizon to hinder or to make afraid. The demand for pure-bred cattle is spreading over all sections of the country and it is bound to grow as the country grows older and the fertility of the soil becomes more or less depleted."

"Sanitation of Sheep Farms," was discussed by Dr. D. F. Lucky, State Veterinarian, "Shall We Use Western Ewes," was the subject of an address by J. W. Boles, of Auxvasse. M. V. Carroll, Secretary of the Missouri Sheep Breeders Association in one of his characteristic speeches told what organization had done for the sheep men of Missouri.

WEDNESDAY'S SESSION.

President C. O. Raine, of the corn-growers association opened the session with his annual address in which he reviewed the work of the association with reference to the corn industry.

W. D. Gose, of Spickard, Mo., delivered an exceedingly interesting address on "Alfalfa and Hogs."

"Cooperative Soil and Crop Experiments were discussed by M. F. Miller, of the State experiment station.

Prof. C. G. Williams of the Ohio Experiment Station in a well written paper discussed the question of improving the crops by selection and breeding.

"But What About the Boy?" was the subject of an eloquent address by S. M. Jordon, of Stanberry.

THURSDAY'S SESSION.

Thursday was one of the most interesting days of the convention, Dr.

Eugene Davenport, of Illinois Agricultural College in a masterly address discussed the next step in agricultural education, in which he urged that the young men be trained along agricultural lines in our public schools in order that they be better fitted for higher training in our universities.

The dressed beef demonstration by Prof. A. D. Gaumnitz, of Minnesota, was an interesting feature of the convention.

Prof. J. W. Kennedy of Iowa went into considerable detail in his address on fitting animals for sale and the show ring. C. R. Thomas, told of the early organization and the development of the American Hereford Association, and B. O. Cowan, of Chicago paid an eloquent tribute to the Short-horn cow as the basis of profitable agriculture. The following officers were elected: President, Geo. W. Kitchen, Jr., Gower, Mo.; Dr. S. H. Redmond, Tipton, Mo.; F. D. Winn, Randolph, Mo.; R. H. Brown, Harrisonville, Mo.; Benton Gabbort, Dearborn, Mo.; T. A. Harris, Lamine, Mo.; Harry Sneed, Smithton, Mo.; and J. W. Boles, Auxvasse, Mo., vice-presidents. Treasurer, Alex Bradford, Columbia, Mo.; Secretary, Geo. B. Ellis, Columbia, Mo.

The Outgoing and Incoming Years.

EDITOR KANSAS FARMER:—As stated in a previous communication the farmer has a good opportunity these long winter evenings to read and think, and as we have just closed up business with 1907 the thought comes to some of us, what is there about the outgoing and incoming years that interest us most?

We may have varied ideas as to what comes nearest to our individual views of the past or our hopes for the future. But I think we will all agree that the past year has been one of considerable experience with the farmers of Kansas and from this experience we ought to be able to glean some profitable lessons as a guide in our consideration of plans for the coming year. It is not likely that we will soon forget some of the things that has been recorded in the events of the past year, as they have been too deeply rooted in our minds to pass out of memory in one or two short seasons. Like the year these things have come and gone and left their impressions with us, and the older we grow and the more we see and know about farming and the business affairs of the world the bigger and more complicated the problems before us farmers seem to be.

Farming in these days requires more of a business tack than it used to, and it takes a man of considerable business ability to successfully manage a farm. New problems are coming up every day and the farmer that expects to meet these problems, and win, must be up and doing; in other words, he will have to do some hard thinking if he expects to keep up with the world's business procession.

Just now with the new year sticking its head over the hilltop the thought arises, what do we see in the beginning of the new year that brings to us hope and confidence of better and brighter prospects than we could see some two months ago, when it looked to many of us farmers as though some things were decidedly off and going wrong? But, it now seems as though the clouds were "rolling by" and revealing some bright spots in the financial and business horizon. This ought to inspire us with new hope of a better year for the farmers of Kansas than the one we have just laid on the shelf to make room for the new one. If we do see the skys clearing and the outlook appears brighter there is something else to think about if us farmers are to reach a higher standard, as successful farmers, than we did last year. To do this we must give better attention to the many little details of farm management than many of us are in the habit of doing. A lack of sufficient attention to the little things on the farm causes our profits to fall short of our expectations. So if we are going to turn over

a new leaf for the coming year, let it be that we will be on the lookout for these little details of the farm and farm work. Some of us farmers are great on planning. We plan big things but what's the use of planning more than we are able to accomplish? It is not economy to do so, and it shows a lack of forethought and increases the burdens of farm work. Farm work should be made a pleasure, but to make it so we must plan to lighten its labors as much as we can and yet make it a profitable business.

In planning our farm work for the new year let us look more to the pleasures and comforts of the nobles of all occupations, the tilling of the soil, and the year will be the brighter for it.

R. W. A.

Cowley County.

The Shawnee Alfalfa Club.

The Shawnee Alfalfa Club is the only one of its kind on earth. It holds monthly meetings on the afternoon of the last Saturday in each month. The subject matter for discussion at the next monthly meeting, which will be held in the Commercial Club rooms at 625 Kansas Avenue, Topeka, on January 25, is "Alfalfa Pests." Prof. T. J. Headlee, of the department of entomology of the State Agricultural College, and Prof. S. J. Hunter, of the department of entomology of the State University, have both been invited to be present and tell the members of the club about insect pests and how to combat them. As Professor Hunter is the man who waged the only successful battle against the green bug last season, and as Professor Headlee brings an enviable reputation as an entomologist to his new home in Kansas, a real treat will be afforded the members who are present. In addition Secretary Graham has secured the promise of Prof. Theodore M. Scheffer, of the Agricultural College, to tell the members of the club how to combat gophers and other four-footed pests and to give them a demonstration of his very successful methods.

Membership in the only alfalfa club is free and everybody is invited. Do not fail to be present at the next meeting, as there is a treat in store for those who come.

Only One "BROMO QUININE"

That is LAXATIVE BROMO QUININE. Look for the signature of E. W. GROVE. Used the World over to Cure a Cold in One Day. 25c.

The Kansas Butter-Makers Convention.

Prof. J. C. Kendall was elected as Kansas' first Dairy Commissioner and took up his duties in this very important office on July 1, 1907. After working in Kansas for six months the board of regents of the Kansas State Agricultural College, was so favorably impressed with the quality of the man and his work, that they elected him to the chair of dairy husbandry which had recently been made vacant in that institution by the resignation of Prof. Oscar Erf.

One of the last official acts of Professor Kendall, in his capacity of State Dairy Commissioner was the getting up and conducting of a Kansas Butter-Makers Convention with exhibits and judging contests at Manhattan on December 31.

A very interesting program had been prepared and there was a large number of butter-makers and dairymen in attendance as this meeting was preliminary to and introductory of the meeting of the Kansas State Dairy Association.

"Sampling Cream at the Receiving Station," George E. Merritt, Great Bend; "Short Overrun and Value of Different Samplers and their Uses, Hon. Ed. H. Webster, Chief of U. S. Dairy Division; "Factory Milk and Cream Testing," J. R. Cates, Winfield; "Butter Defects and their Remedies, and What Causes Leaky Butter," J. G. Wynkjer, Special Agent U. S. Dairy Division; "Value of Following System of Making Butter," Ed. H. Webster; "Dairy Records at the Creamery," D. M. Wilson, newly-elected State Dairy Commissioner; "Some Means of Improving Kansas Butter, general discussion, was the program to which the assembled guests listened.

It was voted to make the Butter-Makers Convention a permanent institution and to hold at least six butter tests per annum in the State.

In the butter contests there were entered seventeen twenty-pound tubs. These were judged by Mr. Wynkjer Professor Kendall, and awards were made as follows: First prize, E. H. Stagg, Tonganoxie, Kans., who was given a cash prize of \$15 and the silver cup offered by the Kansas State Dairy Association; second prize of \$10 cash went to Paul Krueger, East Hutchinson; third prize of \$5 went to S. E. Williamson, Kansas City, Kans.

In the butter-makers scoring contest the first prize consisting of a gold watch went to J. B. Abraham; the

second prize a carving set, went to W. E. Watkins and the third prize, a steak set went to N. O. Nelson.

The Kansas State Swine Breeders' Association.

The Kansas State Swine Breeders' Association met in regular session in the State House upon the adjournment of The Kansas Improved Stock Breeders' Association on January 28.

In the absence of President E. D. King of Burlington, who was detained at his home by sickness in his family, the meeting was called to order by Vice-President E. W. Melville of Eudora. Election of officers being the first order of business, the following were declared elected by unanimous vote: President, George B. Ross, Alden; Secretary-Treasurer, I. D. Graham, Topeka; Vice-Presidents, for Berkshires, E. W. Melville, Eudora; for Duroc-Jerseys, John W. Jones, Concordia; for Poland-Chinas, J. E. Zinn, Topeka; for O. I. C's., A. T. Garth, Larned; for Tamworths, G. M. Freeloove, Carbondale.

Among the more important items of business that were transacted was an order to the Secretary to carry out his plans for the advancement for the interests of the association and the increase of its membership.

The Executive Committee has authorized to look after the interests of all Kansas swine exhibitors at the American Royal at Kansas city and the State Fair at Hutchinson.

A special committee consisting of the President, Secretary and Mr. J. E. Zinn was appointed to secure if possible at least one carload of pure-bred swine for shipment to, and sale in, Old Mexico. It was reported to the Association by parties who thoroughly understand the conditions existing in our sister republic that good live stock that is properly registered and of good individuality can be sold at considerable profit in the Republic, while poor individuals or those of doubtful ancestry can hardly be given away.

It is the purpose of this committee to secure if possible one carload of each different breed of hogs for this shipment. As the care of attendance will thus be proportionately reduced and as the Mexican Government pays all shipping charges on breeding stock from El Paso, south.

The Executive Committee was ordered to, secure if possible a liberal consignment of swine of all breeds for exhibition at the Mexican National Fair, which will be held in the City of Mexico in the fall.

By vote the resolutions adopted by the Kansas Improved Stock Breeders' Association at its meeting which has just adjourned were adopted by this association.

The Central Shorthorn Breeders' Association.

In the exchange room of the Live-Stock Exchange Building at South St. Joseph, Mo., the Central Shorthorn Breeder's Association will meet at its Eleventh Annual Session, January 29 and 30. Secretary B. O. Cowan announces the following program, to which it is hoped all breeders of Shorthorn cattle will listen.

- WEDNESDAY, 10.30 A. M.
- Welcome Address, A. F. Daily, President Live Stock Exchange.
- Response, Rev. F. V. Loos.
- President's Address, John R. Tomson.
- Fads and Fancies vs. Fat and Flesh, Hon. A. C. Shallenberger.
- Shorthorns in the Feed Lot, Prof. H. R. Smith.
- Judicious Advertising, T. W. Morse, Editor The Breeders' Special.
- Both Sides, Hon. T. J. Wornall.
- Sense and Nonsense in Breeding Cattle, C. D. Bellows.
- Value of Courtesy to Customers, H. C. Duncan.
- General discussion will follow the opening address of each topic.
- Reports of Secretary and Treasurer.
- Election of officers.
- Selection of place for next meeting and adjournment.
- A dinner will be tendered members of the Association by the South St. Joseph Stock Yards Co., at the Transit House at 8:00 p. m., Wednesday, January 29.

The Missouri State Dairy Association.

The eighteenth annual convention of the Missouri State Dairy Association met at Columbia, Mo., January 9. It was one of the most important and interesting meetings in the history of the association. In the absence of President Dr. Mosher, R. M. Washburn, State Dairy and Food Commissioner, presided. The following subjects relative to the dairy interests were discussed in a most able manner by men who have spent their lives in the interests of this industry:

"The Peculiar Value of a Good Dairy Sire," by Prof. W. J. Fraser, of the Illinois Agricultural College; "The Cost of Neglect," by Dr. D. F. Lucky, State Veterinarian; "Improvement of Dairy Farm Methods," by J. E. Roberts, of Bolcow; "The Missouri Home," by Hon. W. W. Marple, of Chicago; "Herd-Testing," by Prof. J. W. Fraser; "Is the Bull Half of the Herd?" by Prof. C. H. Eckles, of Missouri State Agricultural College.

At 7.30 o'clock in the evening the visiting stockmen and guests of the convention were invited to the banquet hall where the tables were fairly groaning under their great load of dainty viands. It was indeed a pleasant evening and was enjoyed by all

FREE BOOK ABOUT CANCER.

CANCEROL has proved its merits in the treatment of cancer. It is not in an experimental stage. Records of undisputed cures of cancer in nearly every part of the body are contained in Dr. Leach's new 100-page book. This book also tells the cause of cancer and instructs in the care of the patient; tell what to do in case of bleeding, pain, odor, etc. A valuable guide in the treatment of any case. A copy of this valuable book free to those interested. Address, Dr. L. T. LEACH, Box 126, Indianapolis, Indiana.

who were in attendance. Toasts and reminiscences were the features of the hour that were indulged in by many of the stockmen and guests.

At Friday's session the program was continued as follows: "The Work of the Dairy Division in the South," by Prof. B. H. Rawl, of Washington, D. C.; "Our Duty," by D. A. Chapman, State Dairy Inspector, Warrensburg, Mo.; "Work of the Dairy and Food Department," by R. M. Washburn, State Dairy and Food Commissioner, Columbia.

The following officers were elected for the ensuing year:

- President, P. P. Lewis, Eureka, Mo.;
- vice-president, W. S. Dille, Holden, Mo.;
- second vice-president, J. E. Roberts, Bolcow, Mo.;
- treasurer, D. A. Chapman, Warrensburg, Mo.;
- secretary, R. M. Washburn, Columbia, Mo.

A New Town in a New Country.

EDITOR KANSAS FARMER:—I have been to Patterson in this newly irrigated country on the Columbia River, on the Southern edge of Washington now for some time and have been looking up the fruit-raising, grain-raising, and other advantages of this country. This town of Patterson has just been laid out on the new railroad they are building from Spokane across the wheat raising part of the State to the Columbia River, and thence down the stream to Portland, Oregon. Thousands of men and teams have been busily at work for over a year and a half scraping, blasting, and tunneling for nearly two hundred miles along the north bank of the Columbia River to make what will become probably the finest and best built low grade railroad on the Pacific Coast, or for that matter, in the United States.

This town of Patterson is fifty miles down the railroad from where it crosses the Columbia River at Pasco and the rails are already down and construction trains are operating and it will be open for through traffic in a few days.

The railroad sweeps through Patterson on a gentle curve with a three-quarter mile siding and this town will certainly become a great grain- and fruit-shipping point.

As I stand on the site of the town I can look southward across the giant Columbia River and see miles and miles of the great State of Oregon, to the northward of me are many other miles of land gently sloping upward from the Columbia River to what is known as the "Horse Heaven" wheat-raising country from which many thousands of bushels of wheat will be marketed at Patterson as soon as the railroad is open for business. I consider that this town offers the finest opportunities for any line of business for its situation at the center of the extensive country and its location on the river with its steamboat navigation and the railroad will cause it to leap forward with rapid strides from the very first.

I was talking with a man who has had a great deal to do for a number of years past with both the grain- and fruit-raising development of this part of the State of Washington, and he told me that in 1893 he and his brother were told about the "Horse Heaven" lands and that they were capable of raising wheat in unlimited quantities. Taking a team and spring wagon they made a careful examination of all that country and they both decided that it was too dry to raise wheat or any other crops and that it never would have any value except as a grazing ground for the big bands of cattle, sheep and horses that at that time roved over it. The Northern Pacific Railroad was the owner of hundreds of thousands of acres of this land. This man and his brother had the pick and choice of it at the price of twenty-five cents an acre, paying two and a half cents an acre down, and the balance on long time, but they didn't think it even had that much value. Today there are miles and miles of wheat fields covering all this great country producing millions of bushels of wheat every year and making great fortunes for their owners. This land has already risen from twenty-five cents per acre in 1893 to from ten to forty dollars per acre at the present date, and the end is not yet for it has proved to be one of the greatest wheat-raising regions of the whole Pacific Coast, and prices are still rising every year.

Here at Patterson where the climate almost verges on the semi-tropical, was located one of the largest stock ranches along the Columbia River now being turned into a region of alfalfa fields, fruit orchards, and melon patches. Giant machinery has been installed for the purpose of irrigating nearly two thousand acres of land reaching from the banks of the Columbia River northward for one to two miles. The soil here is of that ideal character which makes it perfect for bringing the greatest possible results in irrigation.

For ages the volcanic rock has been decomposing and it has left a deep, mellow, extraordinarily rich soil, which covers this entire tract for a depth of from three to sixty feet. It is exactly the same kind of soil that has proven so surprisingly productive at Kennewick, North Yakima, Wenatchee, and other irrigated districts, so famous for their fruit and vegetable productions. The soil here, in fact, is of the quality that can never be worn out for the underlying rock is constantly decomposing and adding fertility to the soil as the crops take it away. They tell me here that such soil as this has been farmed in Europe for over two thousand years and it is still as good as the day it is first felt the plow. There at Walla Walla, seventy-five miles East of this, they have been raising wheat on this kind of soil for now close on to fifty years and it actually seems that the soil gets better and more productive the longer it is farmed.

It is perfectly wonderful that this State has accomplished in fruit-raising. That industry is probably the most profitable farming of any in the world. I have heard of oranges in California making from \$250 to \$500 an acre, but I have never heard of another place where as much as \$4,000 can be made from the fruit of a single acre. Why,

Test The Paint Before Using It.

The costliest materials form only about one-third of a painting bill. The rest of the money is paid for labor. A mistake in the paint means not only the loss of what the paint cost, but also the loss of the entire expenditure for putting the worthless stuff on the building. It is quite worth while to test the paint before using it.

The best paint is that mixed from Pure White Lead and Pure Linseed Oil, with the particular needs of your building, wagon or implement in view. There is a simple test which anyone can make.

White Lead is made from metallic lead and can be changed back to that metal by applying great heat. Any adulterations, such as chalk, barytes, or other counterfeits, mixed with the White Lead, prevent the appearance of any metallic lead, no matter how slight the adulteration. Therefore, if the sample yields drops of lead, it is pure; if not, it is adulterated.

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We want property-owners to know how to test paint. We welcome the test of our White Lead and will furnish free a blowpipe (a little instrument necessary to secure intense heat) to anyone who is in earnest about knowing good paint from bad. Everything necessary for the test, together with beautiful booklet, will go to you at once. Write for Test Equipment 23 Address

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- New York, Boston, Buffalo,
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it is just common place here in Washington to find fruit-growers who have sold their apples, pears, peaches, cherries, or other crops for six, eight, or twelve hundred dollars per acre, and there were several cases both last year and this year reported where the owners realized the colossal profit on apples or pears of from \$2,200 to \$4,000 per acre. One of these men, whose name is J. H. Forman, sold the pears from a half acre of his land for \$3,500. He sold the fruit for that price on the trees, which were fifty-four in number, planted fourteen years ago, making a price per tree of about \$64. A week before he had been offered \$2,000 for the crop, but by holding he got \$1,500 more. A. Mr. J. A. Shadbolt has a forty acre fruit ranch of which thirty-seven acres are in bearing. He has sold twenty cars of Bartlett pears and twenty cars of Elberta, Crawford, and Hale's peaches and before that sent out large shipments of early apples and cherries.

Last year he netted \$12,400 from his orchard, but expects this year to double that record. Secretary Garfield stopped at Mr. Shadbolt's ranch during his visit to the State of Washington, and while there stated that he would rather own the ranch than be Secretary of the Interior.

A Mr. Smiley Walden has just finished marketing the crop from a three-quarter acre winesap apple orchard. He received \$1,200 for the fruit from this small piece of ground and \$10,000 was realized from forty acres of bearing orchard. However, I notice that these enormous profits are only gotten from a certain part of the State of Washington. It appears that the longer the summer, and the earlier the springs and the later the autumns the larger will be the profits realized from fruit-raising. I have noticed that very good fruit is raised quite generally over the State of Washington, but the big profits seem to be confined to the warm, dry valleys under irrigation along the Columbia River and branching out from it in the Southern and central part of the State. These splendid fruits must have many weeks of light and warm sunshine to give them that surpassing perfection which causes them to bring two or three times more in the big city markets than ordinarily good fruits, raised anywhere else will bring, and I find that this country around Patterson is right in the very best part of this choice fruit-raising climate of the State. It is, in fact, probably the mildest climate in the State and of course his fact will give it a very great advantage in fruit-raising for the reason that such crops as early apples, strawberries, early peaches, canteloupes, and other fruits all raised here at Patterson, will be the first to reach the high-priced early markets of the big cities. Strawberries alone are a wonderful crop, and upon investigation I find while the larger fruits like apples, peaches, and pears are growing the fruit-raiser can put out strawberries, canteloupes, water melons, and squashes and from crops of that kind

make his expenses and a good substantial profit besides while his larger fruits are coming into bearing.

Of course, the location of this town being right on this new railroad is a tremendous advantage for it will have through fruit trains right from Patterson to Spokane on the east and the mining regions which surround it which are greedy consumers of fruits and melons, and the great cities of Portland, Seattle, and Tacoma on the west with their rapidly increasing population to be supplied.

Then I find it a great advantage for the fruit-raiser to have the ocean markets like those on Puget Sound and at Portland. The hundreds of steamships and sailing vessels that come to these ports stock up with surprising quantities of all kinds of fruits, vegetables, and melons and other products. A single vessel of the big steamer fleet between Seattle and Japanese and Chinese ports will buy hundreds of boxes of fruits for the use of the passengers and crew alone, a single steamer taking as much as a good-sized Eastern town would use for a year.

But this fruit question here is a big subject, and the more I investigate it the more I am pleased and astonished at what can be accomplished in the fruit-raising business. As I continue my investigations I may write you other letters principally about what a man ought to do to get started in the fruit-raising business here in Patterson.

HOME-SEEKER.
Benton County, Washington.

NOTICE RECIPES.

I have a recipe that will stop pain quickly in wounds, and prevent terrible suffering. This recipe has been in my family many years and has never been known to fail, and I have now decided to sell it; also how to stop the pain quickly in burns; also how to keep scalds from blistering; also two fine recipes for reducing swelling. Thousands of lives might be saved of both people and animals, and a terrible lot of suffering prevented with the above recipes. These recipes are very valuable to every one. Send for them today. You may need them yourself any day. The five recipes sent for one dollar and a self addressed stamped envelope. Address, Mrs. M. M. Enders, Lynch, Nebraska.

Hood Farm Almanac has come to be looked for each year by farmers and breeders as a most convenient and valuable publication. This year it is very handsome and is crowded with matter of the greatest interest to stock-owners. It contains a gestation table, signs of the Zodiac, weather forecasts, interesting facts regarding the Hood Farm Jerseys and Berkshires, and many readable articles concerning common diseases to which stock is liable, with valuable information as to their treatment. The Almanac, which contains 64 pages, will be mailed free to any address if you mention this paper. Send a postal to C. I. Hood Co., Lowell, Mass.

Field Notes

LIVE STOCK REPRESENTATIVES.

J. W. Johnson.....Kansas and Nebraska
L. K. Lewis.....Kansas and Oklahoma
Geo. E. Cole.....Missouri and Iowa

Coming Events.

January 29 and 30—Central Shorthorn Breeders' Association, St. Joseph, Mo.
February 11 and 12—Standard Poland-China Record Association, Institute and Animal Meeting.

This is the last reminder of the Samuelson Bros. sale of Duroc-Jersey bred sows from the Timber Creek Herd of Durocs at Cleburne. The offering numbers forty-five head and is a select draft from this well-known herd. The Samuelson Bros. are well-known breeders of Durocs and their sale is the day following E. H. Erickson's sale which is only a few miles from the Samuelson farm. Both sales can be attended with the same expense and preparations are already made for the entertainment of breeders attending. Bids may be sent to their auctioneers, Col. Lafe Burger or Jas. T. McCulloch, or fieldmen in their care at Cleburne, Kans.

This is the last call for Jas. L. Cook's "First Quality" Duroc-Jersey bred-sow sale at Marysville, Kans., January 21, which is next Tuesday. His advertise-

State Fair at Hutchinson, has lately been appointed superintendent of swine for that big show. Mr. Ross is one of the best known breeders of Poland-China swine and Shorthorn cattle in Central Kansas. During the past week he has been in attendance upon the meetings which constitute "Farmers Week" in Topeka. While here he was elected president of The Kansas Swine Breeders' Association and a member of the Kansas State Board of Agriculture. Mr. Ross lives in Rice County in the short grass country where alfalfa grows two feet high and makes five crops a year. He is active, energetic, and of more than average ability. It is a satisfaction to his friend, of whom he has thousands, to know that both his ability and his locality have been recognized by two of the most important agricultural and live stock associations in the State.

January 22 is the date of Thomas & Swank's Expansive and Old Hutch sale of the big, smooth Poland-China bred sows at Waterville, Kans. The sale will be held at the farm where you will have the opportunity of looking at the great heard herd of big Poland-Chinas. Expansive was sired by Expansion and is without question one of the great sons of that famous sire of herd boars that have attracted attention in several States. Almost everything in the sale was sired by Expansive and will be safe in service to Old Hutch, the great herd boar that has produced as many outstanding herd boars as any boar that was ever owned in Northern Kansas. Those that were not sired by Expansive will be bred to him. If you are looking for the big, smooth kind don't overlook this chance to buy them. If you want to know more about Thom-

sale. J. W. Johnson of THE KANSAS FARMER will handle bids for anyone who is unable to attend. Drop a card to Thompson Bros., Marysville, Kans., and receive a catalogue by return mail.

January 21, 22, 23, and 24 are the dates of the Northeastern Kansas Duroc-Jersey bred-sow sales in which Jas. L. Cook, of Marysville, Kans., sell on the 21st, Geo. Kerr, of Sabetha, on the 22d, J. B. Davis, of Fairview, on the 23d, and J. H. Mellenbruch, of Morrill, on the 24th. All of them sell at their farms near the places named except Mellenbruch, who will sell at Hiawatha, Kans., on account of railroad facilities. From Marysville, Kans., on the 21st those attending the circuit will go direct to Sabetha, which is easily reached from Marysville; and from Sabetha, or Mr. Kerr's farm, they will be taken free of charge to Fairview, where Mr. Davis sells at his farm, which adjoins town. The day following, and from there they will be taken free of charge to Hiawatha, where Mr. Mellenbruch sells the day following. At Hiawatha the railroad facilities are good and trains can be made for almost any point that evening. This circuit has been arranged for the convenience of those who desire to attend and is one of the best circuits of Duroc bred-sow sales to be held this winter in Kansas or any other place. J. W. Johnson, fieldman for THE KANSAS FARMER, will attend all sales in this circuit and will handle bids for those who can not attend.

Willkie Blair, owner of the Beulah Land Herds of Red Polled cattle and Poland-China swine at Girard, Kans., writes as follows: "Linwood Lad 9942 K 25, the Beulah Land herd bull is now for sale as a change in herd bulls is necessary. He is a sure and uniform breeder and has never sired an off color calf. Individually he is almost the perfect type of Red Polled. He showed as a 2-year-old at the World's Fair in 1904 and won second prize in class, and was at the head of the herd which won third at the same show. This is the only place where he ever appeared in the show ring. He is now 6 years old and very smooth and active. His breeding is all that the most exacting could desire, as he was sired by the great English Majolino 3600, who won the Royal championship two years in succession. As he is priced very reasonably any one who desires a herd header or a show bull should see him. Mr. Blair also has a number of bulls sired by Linwood Lad and out of splendid cows that are for sale at reasonable figures. See his card in another column and write for particulars.

Mr. Farmer and Stockman: You are the "kings of finance" to-day. You have got the "Wall Street gang" guessing. You have barns of horses, cattle, sheep, pigs, and grain galore, all bringing big prices in "real cash." 1908 prosperity is assured. We have \$200,000,000 more currency than one year ago. We will have \$400,000,000 more by June 1. "Western banks" have resumed payment and are loaning money. Not in 20 years have prospects looked so bright for stockmen and farmers. Geldings sold at \$422 each at auction. Single horse at \$660. Turn the "Ikey boys" loose. Let them get into the "get rich quick wagon." Frank Iams, St. Paul, Nebraska, the largest individual importer and owner of draft and coach stallions and mares, who sells more "Peaches and Cream" stallions than any ten men in U. S. Iams saved \$160,000 in 1907 to stallion buyers and sold them better and larger stallions and mares. In 1908 he will save "stockmen" one-fifth of a million dollars. He is making "special panic prices" at his town of barns. Iams' \$1,000 and \$1,200 stallions are guaranteed better than any Farmers Company's \$2,000 stallion or you get the \$500 Iams hangs up. Ikey boys, take that money out of your old "tobacco box," time certificates of deposit, drafts, cashiers checks and buy a stallion and four mares of "Iams the King Horseman." Then your money will be safe and making money daily. Buzz around Iams' town of barns. They are filled to the roof with new fresh importation of 175 Percheron, Belgian and Coach stallions and mares, 2 to 6 years old, weight 1,700 to 2,500 pounds, 90 per cent blacks. Forty French and Belgian prize winners at Paris, Brussels and noted shows. Fifty 1907 Nebraska State prize winners or every first winner in Percheron stallions and mares in 2, 3 and 4 year olds, (barring one), and sweepstakes prize and grand sweepstakes (over all). Also every first and second prize (bar one) and sweepstakes prize in Belgian stallions in 2, 3, and 4 year old classes and two-thirds of the prizes on Belgian mares, and first prize on 3 year old coacher and prize 4-year-old coacher. Iams sells his show horses annually. He buys new and better ones each year. For 26 years Iams has been "bumping the heads" of the "gold brick stallion salesman" with better and larger stallions, forcing the importer and breeder with inferior stallions and mares to sell them on the "auction block" as the last resort. And Mr. Ikey, no first-class stallions or mares are ever sold by peddlers on the "auction block." Iams guarantees to sell you a better stallion at \$1,000 to \$1,400. (few little higher), than are sold to Farmers' Stock Companies at \$2,500 to \$5,000. If you don't find this so, you can have the \$500 Iams hangs up. "It's not because your eyes are blue" that Iams tells you in his "ads" of money he will save you. He wants your business—that's why he advertises. He wants you to smile on him with a visit. He will make the "wheel of business" go round. Iams can place \$1,000 or \$1,500

HORSE OWNERS! USE GOMBAULT'S CAUSTIC BALSAM.



A safe, speedy and positive cure. The safest, best BLISTER ever used. Removes all blemishes from Horses. Impossible to produce scar or blemish. Send for circular. Special advice free.

THE LAWRENCE-WILLIAMS CO., Cleveland, Ohio.

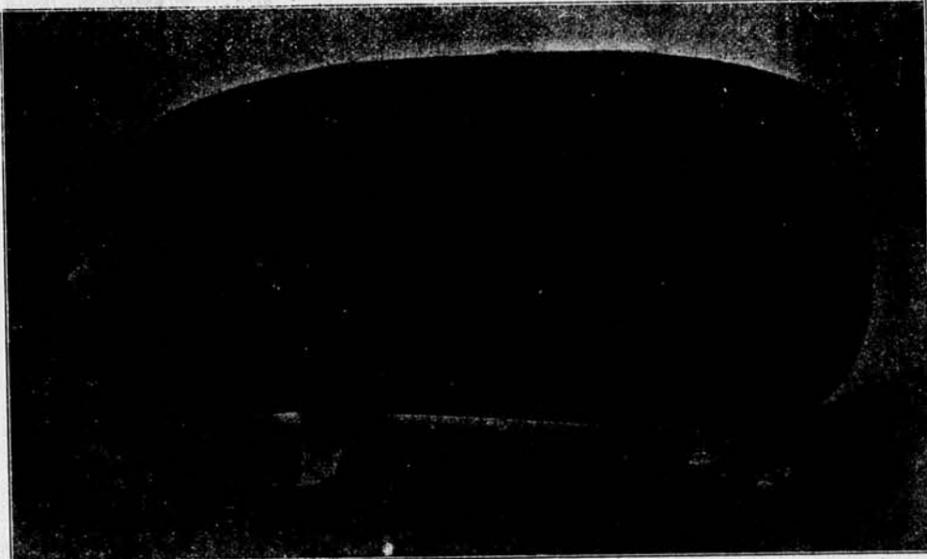
insurance on his stallions. He is an "easy man" to do business with, and his horses are so good they sell themselves. You say: "Why can Iams sell better stallions at half the price of others?" Iams buys and sells every stallion himself at his home barns. He buys stallions by "special train load," 100 to 200 at a time. He speaks the languages, saving 20 per cent. He is not in the "stallion trust," saving you \$300. He pays no "slick salesman" \$1,000 to sell you a 4th rate stallion. He has no 2 to 10 partners to share profits with. He pays spot cash for his stallions, owns his farms, houses, barns, stocks and stallions. He sells stallions by "hot advertising," and having the "goods" to make every statement good. Iams sells stallions "so good" that they do not need a "slick peddler" or the auction block" to sell them. Iams will save you \$1,000 or more in commission and middlemen's profits. All Iams' "show horses" and "pets" are for sale. None reserved. You can't get away from Iams with money or bankable notes. He has his "selling clothes" on. Write for Iams' 1908 horse catalogue and eye-opener, showing 100 out of 200 stallions and mares in his barns, that must positively be sold, "panic or no panic." Our illustration is Iams and the sweepstakes Percheron and Belgian stallions (over all) at 1907 Nebraska State fair, weight 4,860 pounds. The best pair in United States. Write for Iams' "Million Dollar" horse catalogue. It makes competitors dance the "cake walk."

One of the Poland-China events of the season is the great offering of richly bred Poland-China bred sows that J. J. Ward, of Bellville, Kans., is making at his farm about two miles south of Bellville on January 31. This sale should attract breeders from all over the country, but Mr. Ward is hardly looking for that. The offering is the very cream of his herd and is bred for early farrow to Meddler 2d, Voter, the Breeders' Special, and to "Old King Skybo. Among the special attractions that we take pleasure in mentioning is the \$300 open gilt, Laughing Byes, that is now safe in service to the Breeders' Special. The great Babe Adams, the \$1,530 open gilt, goes in this sale safe in service to Meddler 2d. Another is Beatrix by Skybo and safe to the Breeders' Special. If space would permit we could go on and give one attraction after another that were they in a sale farther East would sell for prices that would be much higher than can be expected at Bellville on the above date. Not that the offering is one whit less valuable but because it is hard to get the breeders interested in a sale so far West. But what will probably prove Mr. Ward's misfortune in this instance will rebound to your advantage as you will be given the opportunity to buy right at your door bred sows that are as well bred as any in the world and bred to sires equally as famous. If you pass up this opportunity because the stir is not being made about it that is usually made about an offering of this nature you are going to be the heaviest loser. The Breeders' Special is the great boar sired by Meddler 2d that takes the place in Mr. Ward's herd of the \$5,000 lamented Statesman about whom there has been so much said recently and which was killed by the express company while he was being brought home from the Iowa State Fair where he was competing for honors with the best in the world. The Breeders' Special was finally selected to do that which Mr. Ward had intended that the Statesman should do and Mr. Ward has said that he considered him the only hog in the United States that could take the place of Statesman and make the great cross on Skybo gilts that he will undoubtedly do. Mr. Ward's advertisement appears in this issue and gives lots of information about breeding, etc. J. W. Johnson, of THE KANSAS FARMER, will be in attendance at this sale and will handle any bids entrusted to his care in a careful manner. They should be sent in Mr. Ward's care to Bellville, Kans.

Joiner's Bred-Sow Sale at Clyde.

J. E. Joiner's offering of 30 bred sows at Clyde, Kans., Monday, January 27, is decidedly one of the best offerings of bred sows to be made in the central part of Kansas this season. While the offering is not a large one, in numbers it is known to Mr. Joiner to be an offering that can't possibly help but do the purchaser good, and as Mr. Joiner figures it, do him good as well. The reputation for being square and dealing fairly is just what has enabled Mr. Joiner to make the great success of his business that he has. One of the very first breeders of Duroc-Jerseys in the country to be sold out of spring boars was Mr. Joiner, and his crop of pigs last spring was an extra large one too. As every breeder knows he could have easily have made an offering of forty or fifty head by putting in an extra ten head that possibly would have been possible, but it was his way of doing business, and thirty head was all that he felt he could spare that were good enough to go out as advertisements of his herd, which is a collection of the best from many of the best public sale offerings of the best three years.

One of the reasons for holding an early sale was that he desired to attend many of the good sales that will be held in Kansas during February. He is a liberal buyer of the choice things that are always put in a public sale. He believes in helping those who help him, and while he is anxious that the impression doesn't go out that he buys only of those who buy of him still he is of the opinion that a breeder who



The above is a good likeness of a spring gilt which is an attraction in the great Thomas & Swank Expansive and Old Hutch Poland-China offering at Waterville, Kans., January 22. She was sired by Expansive and is bred for early farrow to Old Hutch. She will weigh about 300 pounds and is smooth as a ribbon. Thomas & Swank's Expansive and Old Hutch bred-sow sale the 22d of this month is an opportunity to secure big, smooth Poland-Chinas that should not be overlooked. This is the last call for their sale and it occurs on next Wednesday at the farm six miles south of Waterville, Kans. Catalogues are now ready and being mailed. Bids may be sent to Col. T. E. Gordon, their auctioneer, or fieldmen. But you had better arrange to be there.

ment will be found on another page and should prove attractive to breeders of Duroc-Jerseys because of the good breeding and high quality of the offering generally. We recently inspected this offering and found it even better than is indicated in Mr. Cook's advertising. It is a well-bred offering of well-grown-out gilts of early spring farrow and bred to one or the other of his great young boars. Look up his advertisement and arrange to attend his sale. If you can't possibly do so send bids to J. W. Johnson, who will be in attendance. They should be sent in care of Mr. Cook, Marysville.

A. G. Dorr, owner of the Osage Valley Herd of Duroc-Jersey swine, Route 5, Osage City, Kans., has for sale fifteen bred gilts and five tried sows. The gilts were sired by his 800-pound Ohio Chief, Jr. boar and were bred to a son of Kant Be Beat and a grandson of Tip Top Notcher. These gilts will weigh from 225 to 250 pounds and the sows 300 pounds or better. The gilts are of the Ohio Chief type and promise to be large brood sows as they have the length, bone, and feeding capacity. They were bred to two of as good boars as there is in the State. Considering quality and breeding these gilts will be priced low to sell quick. Mr. Dorr also raises the pure-bred Single Comb Brown Leghorn chickens and he has about twenty cockerels for sale that are extra fine. These birds will be priced low for quick sale. Write him your wants.

This is the last call for E. H. Erickson's Duroc-Jersey bred-sow sale at Olsburg, Kans., which occurs at his farm, four miles north of Olsburg and about five miles east of Cleburne, next Wednesday, January 22. The sale is the day following James T. Cook's sale at Marysville, and the day before Samuelson Bros. sell at their farm, which is only a few miles from Mr. Erickson's. Arrange to attend all of these good sales and you can do so with the same expense as arrangements have been made to convey those who attend the Erickson sale to the Samuelson sale without charge. Catalogues are now ready. Bids may be sent to either of the auctioneers, Col. Lafe Burger and Jas. T. McCulloch, or fieldmen, but you had better be there in person and get better acquainted with these young men. Remember the dates, January 22 and 23. Wednesday and Thursday of next week at Cleburne, Kans.

Hon. George B. Ross, of Alden, Kans., who is a director of the Kansas

as & Swank ask any one in Northern Kansas who is interested in Poland-Chinas. Bids may be sent to J. W. Johnson in care of the firm at Waterville, Kans.

One week from next Saturday, or January 25, is the date of W. L. Vick's Duroc-Jersey bred-sow sale at Junction City, Kans. Mr. Vick is very popular among the Duroc breeders of the State and we look for a nice attendance at his sale. This is his first sale and he is putting up an offering that will please the most exacting and the sale will be held in town and under cover and every one attending will be made comfortable from the time he gets to town until he leaves. Everything will be free but these nice, smooth bred sows and when you see them you will be perfectly willing to pay for them. Those who have been taking notice of what has been going on in the Duroc line for the past two or three years know how the foundation for this great herd was secured. Mr. Vick during that time has attended most of the notable bred-sow sales in both Kansas and Nebraska and has bought close to the top in most of them. As we said before this is his first bred-sow sale and Mr. Vick is anxious that his first offering of bred sows should be as good as the best. If you can not be there send your bids to J. W. Johnson, of THE KANSAS FARMER, and they will be carefully handled.

Thompson Bros., Marysville, Kans., are advertising in this issue of THE KANSAS FARMER their bred-sow sale of February 1. On that date they are going to sell a draft of forty head of bred sows, fifteen tried yearling sows, and twenty-five spring gilts, that for size and smoothness, combined are remarkable. The spring gilts will go into the sale in real good condition and not loaded with fat over 300 pounds. The tried yearling sows are equally as deserving of being called big and smooth. The writer visited this herd recently and had a good opportunity to examine it at length and hereby desires to give a straight tip to the breeder of Polands who is looking for more size without sacrificing smoothness in order to get it. Thompson Bros., on the above date, will sell the smoothest lot of sows of the bigger type of Polands that it has ever been our privilege of looking at. You are going to be pleased and possibly surprised when you inspect this offering. Get a catalogue at once and look up the breeding and be on hand at this

has patronized him is entitled to some consideration if he has what he thinks would strengthen his herd.

For a catalogue and any information concerning the breeding drop Mr. Joines a few lines at Clyde, Kans., and receive a prompt reply.

The day following Mr. Joines' sale Grant Chapin, of Green, Kans., will sell a draft of bred sows from his great herd at Green at the Agricultural College at Manhattan.

Bids may be sent to J. W. Johnson of THE KANSAS FARMER, who will be in attendance at this sale.

Mr. Chapin and His Durocs at Manhattan.

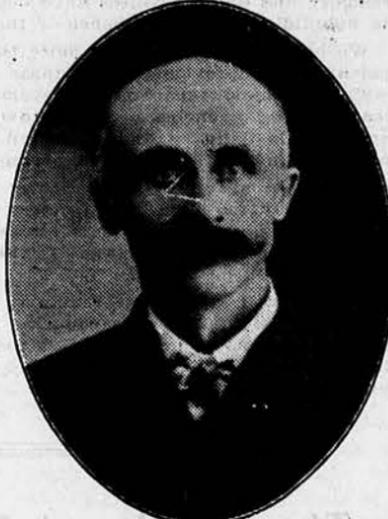
Grant Chapin's climax offering of Duroc-Jersey bred sows at the Agricultural College at Manhattan, Kans., Tuesday, January 28, is worth your consideration if you are at all interested in the very best of Duroc blood lines and are desirous of an opportunity to buy from an offering of the best of individuals, where the best are not merely accidents but owe their superior individual merit to intelligent mating and handling and a close studying of the different crosses that can be successfully made.

The twenty-five fall gilts, mostly by that wonderful sire, Model Chief Again, have been reserved and carefully selected from over fifty head of fall yearlings for this sale. The twenty-five tried sows are among the best sows Mr. Chapin owns. They are put in this sale for the purpose of making it a sale of attractions all the way through.

THE KANSAS FARMER should be sent to him at Manhattan, Kans., in care of Professor Kinzer.

Hunt's Bred-Sow Sale at Marysville.

January 29 is the date of J. O. Hunt's Duroc-Jersey bred-sow sale at Marysville, Kans. To say that the offering on the above date is better than it was last year, or even the year before, looks like spreading it on pretty thick but the facts in the case make necessary that very statement.



good offerings, especially of the past two years, but never the less the forty bred sows that go in his sale January 29, 25 of which are tried sows and fall yearlings and 15 big smooth well-grown out March gilts are the best lot of bred sows that Mr. Hunt has ever driven through a sale ring.



A Kalamazoo Direct to You

We have more than 100,000 satisfied customers in more than 17,000 cities, villages and towns in the United States who have each saved from \$5 to \$40 by buying a Kalamazoo stove or range on

360 DAYS APPROVAL

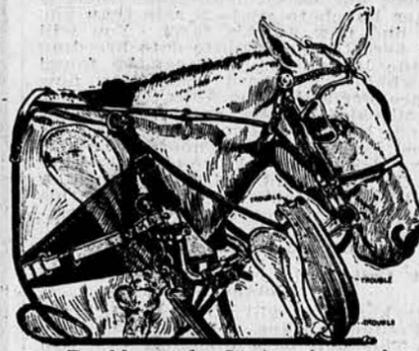
direct from our factory at actual factory prices. No stove or range has a higher reputation or gives better satisfaction. You run no risk. You save all dealers' profits. We pay the freight.

Send Postal For Catalog No. 189

and see list of towns where we have satisfied customers.

Kalamazoo Stove Company, Mfrs., Kalamazoo, Mich.

Our patent oven thermometer makes baking and roasting easy.



HUMANE HORSE COLLAR CO., Double set for \$21.50. Let us hear from you.

SORE NECKS OR SHOULDERS

Are impossible if you use the "Whipple" Humane Horse Collar. Insist on having your new harness equipped with them. Five thousand farmers bought them last season and not one will again purchase an old-style collar.

1921 So. 13th St. OMAHA, NEB.

Stadt's Durocs.

J. F. Stadt, of Ottawa, Kans., changes his card in this issue of THE KANSAS FARMER and announces that he has called off his January sale and will sell at private treaty the fine line of sows and gilts, that he had fitted for this sale.

These are an extra fine lot, and they are bred to Long Wonder, Nelson's Model, and Watt's Top Notcher, (a good son of Kant Be Beat, out of a Top Notcher dam), and will be sold at public sale prices, less expenses.

Mr. Stadt also writes that he has two or three good strong spring boars that he will sell at panic prices if taken soon. Here is a chance to buy the best at bottom figures. Better write Mr. Stadt about these at once for they won't last long.

W. H. Cottingham & Sons Twelfth Annual Sale.

In this issue of THE KANSAS FARMER, W. H. Cottingham & Son of McPherson, Kans., are advertising their twelfth annual sale which will be held at their farm one mile south of McPherson, Tuesday and Wednesday, February 4 and 5.

On Tuesday, the 4th, they will sell 50 head of horses of good ages, consisting of drafts, brood mares, and single and double drivers. Among these are a number of nicely matched and well-broken teams, ready for work on the farm or road.

The draft horses that they will offer are of good colors with size, bone, and finish and are out of high-grade mares and are by pure-bred sires. The roadsters are a choice lot out of good dams and by Standard bred sires.

Wednesday, the 5th, they will sell the best lot of Short-horn cattle that they have ever offered to the public. Their consignment will consist of 45 pure-bred registered animals; 25 of these are cows and heifers of breeding age, and 6 extra good bulls from 1 to 2 years old, 8 bull calves 7 to 11 months old, and some choice heifer calves.

The females trace to some of the best families of the breed, such as Rose of Sharon, White Rose, and Imp. Scotch Rose. A number of these will have calf at foot by their straight Scotch bull, Scottish Secrete, who is a good son of the great breeding bull, Imp. Collynie, whose descendants are noted for their extra feeding and fleshing qualities.

All females of breeding age are in calf to Scottish Secrete, and most of the young things in the sale are by him and they show up remarkably strong.

Most of the young males are by him and they are an extra good lot of good color, well developed and with lots of finish.

These are a business lot of cattle, and there will be bargains here for farmers and breeders.

Look up Messrs Cottinghams advertisement in THE KANSAS FARMER and get your name on the list for a catalogue and arrange to attend this sale.

February 10 is When F. G. Nies & Son Sell Polands.

Watch the advertisement of F. G. Nies & Son, of Goddard, Kans., which will appear in the issues of THE KANSAS FARMER of January 30 and February 6, advertising their splendid offering of Poland-Chinas which they will sell at Goddard, Kans., Monday, February 10.

Their offering will consist of 15 fall yearling gilts and proven sows, 25 spring gilts and 15 spring boars. These are from some of the best families of the breed, are well developed, and are as even and fancy a lot as we have seen.

The females will all be bred for early farrow to such sires as Corrector 2d, a grandson of the great Corrector; On and On Again, a son of the \$8,000 On and On, and a good son of Impudence out of a Perfection 2d dam. This offer-

SOMETHING TO CROW ABOUT



It's SOMETHING to CROW ABOUT if your HOME is THE RAY CHICKEN COOP, CLEAN, SAFE, COMFORTABLE and PROOF against RAIN, the ravages of RATS, WEASELS, SKUNKS and never inhabited with MITES.

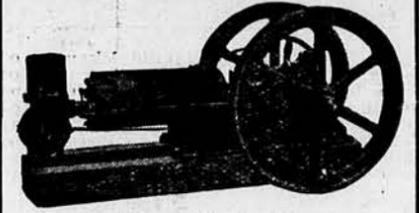
Properly ventilated, warm in Winter, Cool in Summer. Made from a good grade of Galvanized Iron and Wire. Will last for Many Generations of Chickens.

Live in "THE RAY," you'll live long and be happy. Also use the Ray Watering Fountains, Sanitary Feeders, Etc. Made by

The Ray Heater Mfg. Co., 5 & 7 E. Warren St. Lawrence, Kas.

STOP LOOK LISTEN

and consider the quality and price of Waterloo Gasoline Engines. over our illustrated Catalog and see the many points of mechanical skill. to all we have to say about quality and price and then be your own judge as to engine desired.



(Patented May 15, 1906.)

The only horizontal, vapor cooled gasoline engine in the world. Worth twice the price of any other style gasoline engine, but costs you no more. Illustrated Catalogue free.

Waterloo Gasoline Engine Co.

1014 3d Ave. West, WATERLOO, IA.

Advertisement for Currie Wind Mill Co. featuring a windmill illustration and prices: \$10.00 Sweep Feed Grinder, \$14.00 Galvanized Steel Wind Mill. We manufacture all sizes and styles. It will pay you to investigate. Write for catalogue and price list. CURRIE WIND MILL CO., Topeka, Kansas.

ing has been carefully inspected by the writer who is in a position to recommend it to any who may desire first-class material for foundation stock or for herds already established.

A more extended mention together with display advertising fully describing Nies & Son's consignment will be published in THE KANSAS FARMER, as stated. Watch for this and in the meantime get your name on the list for a catalogue and arrange to attend this sale.

February 10 Spangler Sells Big-Boned Polands.

J. D. Spangler, the well-known breeder of the large type of Poland-Chinas will hold a bred-sow sale in his fine new sale pavilion at his farm two miles east of Sharon, Kans., Wednesday, February 19.

Mr. Spangler breeds the kind that produce large litters, that fill the pork barrel, and that cut the largest per cent of high-priced meat. His herd is headed by Progression 131151-A, a good son of the great Expansion 26293 and out of Ohava Model, sire by Ohava Chief. Progression weighed 600 pounds at 12 months in good breeding form. He was conceded by competent judges



Herod 63919N, by Monarch 28395 and out of Kant's Lady 36850A by Kant Be Beat 10239A. one of the fine herd boars at the head of J. B. Davis's herd of Duroc-Jerseys. The annual bred sow sale will be held at Fairview, Kans., on Thursday, January 23.

gives them the size. The tried sows will readily be recognized as desirable because such sows as Callahan's Choice who will be in the sale along with six of her daughters, all tried sows, and who is herself a full sister to the great Village Pride, are so well known that they will need very little help in selling. Chapin's Rule by Golden Rule, dam sired by Kant Be Beat, May's Daughter, a half-sister to Red Raven, some good ones by old Ohio Major, he by Kant Be Beat, and many others are in the sale not because they are not desirable but because they are, and Mr. Chapin thinks breeders generally know it. This sale is the day after J. E. Joines' sells bred sows at Clyde, Kans., and those attending Mr. Joines' sales can leave for Manhattan on an early morning train and arrive in Manhattan in time for breakfast and have all of the forenoon to visit the college, which Mr. Chapin is very desirous that you do. It is the biggest institution of the kind in the world and has the largest enrollment, which is almost 2,000. Professor Kinzer and others connected with the college will be glad to show you over the college farm, which will interest you very much if you have never had the opportunity of visiting it before. The sale will be held in the judging pavilion at the college and will be made nice and comfortable. Visiting breeders are requested to register at the Gillett Hotel which is the best in the city as Mr. Chapin's guests. Free hacks will convey you to the college as soon in the day as you arrive. Don't miss this sale. Mr. Duroc Breeder, because you will want to be there. Bids intended for J. W. Johnson, of

bring you the catalogue, which will give you all the information you will need.

Mr. Hunt's reputation for square dealing is to well known to need any mention here. Those who have bought at his bred-sow sales in the past are well aware of the usefulness of the kind of Durocs which Mr. Hunt breeds. His herd is one of the best known in the West and when you buy from J. O. Hunt you are getting some reputation for your herd as well. There are few breeders in the State who cull as closely as does Mr. Hunt and nothing but choice animals are ever offered for sale by him. J. W. Johnson of this paper will be in attendance and will handle any bids entrusted to his care in a careful and honorable manner. Such bids should be sent in care of J. O. Hunt, Marysville, Kans. J. E. Joines of Clyde, Kans., will sell at Clyde the 27th and Grant Chapin of Green, Kans., at Manhattan, on the 28th, and from there breeders can go to Blue Rapids on the morning of Mr. Hunt's sale arriving there in plenty of time for the sale. These sales have been arranged with the convenience and comfort of the breeder, who will attend, in view and the circuit can be followed with very little expense and with the best of hotel accommodations which have been arranged for by the breeders composing the circuit.

Take three days off and attend these sales, and if you are interested in the best of Duroc breeding and individuality you will never regret the time so spent. Drop a postal card to each for a catalogue which you will receive by return mail.

at the Kansas State Fair to be the largest hog of his age ever shown there. He has 10-inch bone, stands up on the best of feet, has fancy head and ears, a fine, silky coat of hair, is long and deep, and has lots of quality, as well as size. He is proving a great breeding animal, having 100 extra good pigs to his credit at 13 months old.

He is assisted by Mogul Ex 134821 by Mogul 38848, he by Blain's Tecumseh 29338, and out of an Expansion Jam. This fellow has bone, size, and quality and promises to be a great breeding animal, the same as his sire and grand-sires. The herd sows are a choice lot and are noted for their producing qualities.

Mr. Spangler's offering will consist of 45 females; 15 of these are fall yearling gilts and tried sows; there will also be 30 extra fine, growing spring gilts, and the entire offering will be bred to Progression or Mogul Ex for early farrow. They will be well fitted and in the best condition to do buyers good.

This will probably be the only sale of the large type of Polands in that part of the State and those desiring this kind should not fail to be present.

A more extended description of Mr. Spangler's offering, together with display advertising describing the same, will appear in the issues of THE KANSAS FARMER of February 6-13. Watch for this, and get your name on the list for a catalogue as soon as possible.

W. R. Peacock Sells Poland-Chinas January 31.

W. R. Peacock of Sedgwick, Kans., is advertising his annual bred-sow sale, which occurs Friday, January 31, on another page of this issue.

Mr. Peacock is one of the oldest and best known breeders in the State, and his offering will be up to, or above, its usual standard of excellence.

Mr. Peacock's herd carries some of the best blood lines of the breed, and he has always made it a point to keep only the largest and smoothest females for brood sows. These mated with such sires as Mischief Maker I Know, a three-fourths brother to Meddler, the World's Fair champion, and C's Corrector, one of the best breeding sons of

for one of Mr. Faulkner's catalogues that tell all about the big-boned spotted kind, and watch these columns for further mention of this sale.

F. C. Swiercinsky's Coming Sale.

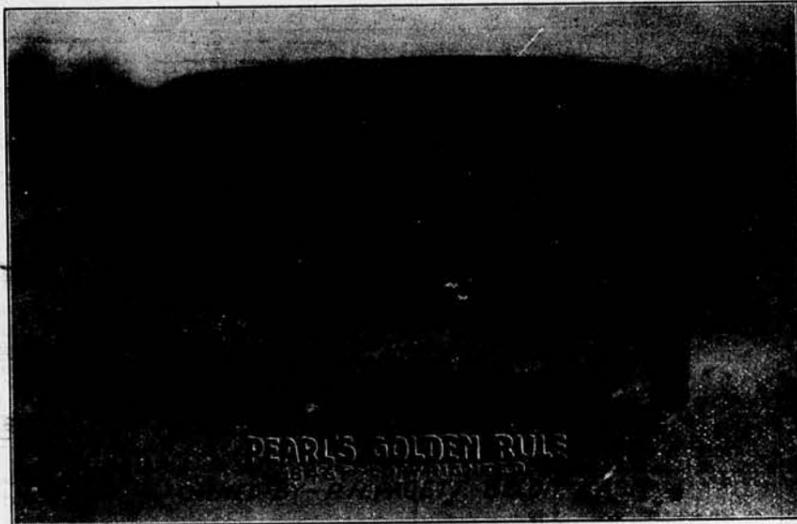
One of the good sales of big-boned Poland-China bred sows will be held near Belleville, Kans., January 23, 1908. Thirty-five head will go in this offering, consisting of three tried sows, three fall yearling gilts, twenty-three spring gilts, and six boars. Every one a good one. These Polands are a growthy lot of the large, big-boned type, that is the want of every hog-raiser.

This herd was established fourteen years ago and is one of the oldest herds in the country. The farm is known as Freedom Stock Farm. At this place can always be seen a fine lot of Poland-Chinas, but never before was there a better bunch to go in a sale than you can find now at this farm. You will find here the most up-to-date breeding of the large type that can be found anywhere. The herd boars are now Prince Perfection, by Elite Perfection, by Mischief Maker, and Blue Valley Grand, by First Look, by Dawson's Grand Look, bred by Thos. F. Walker, Alexandria, Nebr. If you are looking for the "big kind" with good feeding quality's you can't afford to miss this sale. Send for a catalogue and remember the date, January 23, 1908.

Last Call for Stryker Bros. Sale of Polands.

Stryker Bros. will sell Poland-Chinas at Fredonia, Kans., Monday, January 20. This will be a bred-sow sale and their offering will consist of 40 bred sows and gilts of the richest breeding and a few choice spring males.

Among the females will be six by Meddler's Medal, a full brother to Meddler 2d and his equal as a sire, five by Meddler 2d, one by the \$8,000 Corrector 2d, who sired the \$1,300 litter, one by Regulator, fourteen by Minstrel, who is the sire of Kansas State fair winners, and a litter brother to Louise of Oakwood, one by Chief Sunshine 2d, one by Simply O. K., one by Keep Corrector, two by Mischief Jr.,



The above is a splendid likeness of the sensational herd boar, Pearl's Golden Rule, bred by Watt & Foust, of Xenia, Ohio, but bought in dam of them by Grant Chapin, of Green, Kans., last spring. Mr. Pearl H. Pagett, of Beloit, Kans., bought him in Mr. Chapin's October last sale at an extremely long price. A big per cent of Mr. Pagett's bred-sow offering at Beloit, Kan., February 10, will be bred to Pearl's Golden Rule. His sire was Golden Rule 14101 at the head of the Watt & Foust herd and his dam was Red Princess, a 700-pound sow.

the great Corrector, have produced the animals that he will include in this sale.

Mr. Peacock's consignment will consist of well grown spring gilts, and proven sows and a few choice spring boars. These all have plenty of bone, size, and finish, and will be presented in the pink of condition. The females will all be bred for early farrow to Mischief Maker I Know, C's Corrector, or other equally good breeding sires. This will be a business lot of hogs and Mr. Peacock expects to sell them at business prices. Here will be a good place to secure foundation stock, or new blood for herds already established. Breeders and farmers should not fail to attend this sale. Write Mr. Peacock at once and get your name on the list for a catalogue.

The Big-Boned Spotted Kind at Auction.

On Thursday, January 30, H. L. Faulkner, breeder of the big-boned spotted Poland-Chinas at Jamesport, Mo., will offer at public auction forty sows and gilts bred to his two big-boned spotted herd boars Budweiser and Brandywine.

Mr. Faulkner has been breeding this type of hogs for several years and has held many successful sales. He needs no introduction to the farmers and stockmen of Missouri and Kansas for many of the most successful farmers of both of these States are numbered among his customers, there are but few men in the business who do a greater mail order business than this progressive breeder.

Budweiser the hog that has been longest in service on this farm is one of the good hogs of the breed. He has large bone, strong arch back, with an excellent ham and stands up on good feet, and what is best he possesses the ability to transmit these qualities to his get. If you are partial to the big kind you will make no mistake in buying one of these good sows bred to him. Brandywine the boar that assists him in this herd possesses lots of quality and has a massive form with lots of spots and no doubt his get will be equal in point of popularity and usefulness to the get of Budweiser. Send to-day

one by E L's Dude by Perfection E L, four by Meddler Boy, by Meddler, the World's Fair champion, and other good ones.

These will be bred to Sunshine 2d, Meddler's Medal, and Imp's Likeness.

The writer has carefully inspected Stryker Bros. offering and can say that the animals included are as good individually as they are well bred.

In the boar division there will be three by Meddler 2d, that will be good enough to head good herds, and one by Minstrel the best breeding son of Corrector 2d.

Everything will be well-fitted and in splendid breeding condition.

Stryker Bros. have established a reputation for breeding the best. They were winners at the Kansas State Fair 1907, winning several firsts and grand championships. This will be one of the best offerings of the season, and breeders and farmers should not fail to attend their sale. Get your name on the list for a catalogue, and arrange to be present.

Shepherd and Mullin's Bred-Sow Sale.

This is the last call for Shepherd & Mullin's Duroc-Jersey bred-sow sale at Abilene, Kans., Monday, January 20. On that date these gentlemen will sell a very select draft of bred sows at the sale pavilion at the fair grounds in Abilene. The sale pavilion can be heated and will be made comfortable and the breeders from a distance will be well taken care of at the Occidental Hotel in Abilene, where they should register as soon as they arrive.

Mr. Shepherd and Mr. Mullin both own good herds at Abilene and this is a combination sale. It is being held early that they may get out and attend other Duroc sales as they are in the market for a few good sows and expect to buy them at some of the good bred-sow sales that will be held this winter. Both are comparatively new breeders, but have bought the best to start with and are both good judges and have been very fortunate in making selections for their foundation stock. They both give their personal attention to caring for their herds and

(Continued on page 81.)

The New Way

The dairy industry in Kansas has made remarkable advancement the past ten years. During this time many changes in the conduct of the creamery and dairy business have occurred and each step has been toward the upbuilding and permanence of the dairy industry.

We have done as much or more than any other one factor in the development and improvement of Kansas dairying. We established "the new way"—sold hand separators in every corner of the State, established cream buying agencies in every town, quoted a price for butter-fat in advance of its delivery and perfected a system by which we pay cash for butter-fat in each delivery of cream.

Except in a few Western States where progressive creameries followed in our footsteps, the farmers of no other States in the Union can dispose of their dairy products for as good prices and with as little labor as can the farmers of Kansas. Is this not a condition of which Kansas farmers should be proud?

We are still hard at it—aiding in every way in the building up of the Kansas dairy industry because that builds up our own business. We solicit your cream—you can't give us too much. If you are not within reach of one of our stations, write us and we can fix you out with a good market.

The Continental Creamery Co., Topeka, Kansas.

CREAM WANTED!

After sixteen years of successful business, the Lincolnville Creamery Co. has reached the conclusion that the best creamery method is to go direct to the producer and give him the profits or saving that is made by cutting out the cream-buyer and roadman with his big expense. This expense should be a profit, and belongs to the producer. So we are going to give you Kansas City top for your cream delivered to Lincolnville, Kans., which will make you about two cents per pound more money. Your check is returned to you the same day the cream is received. Give us a trial shipment and be convinced.

THE LINCOLNVILLE CREAMERY CO., Lincolnville, Kans.

A Great Poland-China Sale FREDONIA, KANS., JANUARY, 20, '08.

44—Head of the Best—44. Among the hogs offered in the sale will be the following:

SOWS.—Six by Meddler's Medal, brother in blood to Meddler 2d and his equal as a breeder. Five by Meddler 2d, the greatest of all sires. One by the \$8,000 Corrector 2d, the sire of the \$13,000 litter. One by Regulator, the champion. Fourteen by Minstrel, litter brother to Louise of Oakwood, and is the sire of the Kansas State Fair winners. One by Chief Sunshine 2d, the champion, and the greatest out-cross boar now living. One by Simply O. K., the champion, and the last king of the I. Knows. One by Proud Perfection, the double champion. One by Keep Corrector, the \$610 gallant knight. Two by Mischief Junior, the show boar. One by E. L.'s Dude by Perfection E. L., the great sire of brood sows. Four by Meddler Boy, the coming boar by Meddler; the champion of the world. One by Harmonizer, by Ideal Sunshine.

BOARS.—Four by Meddler, the king of all sires. One by Minstrel, the best breeding son of Corrector 2d.

STRYKER BROS., Fredonia, Kans.

Auctioneers: Col. J. W. Sparks, John D. Snyder, J. W. Sheets.

F. C. SWIERCINSKY'S Big Poland-China Bred Sow Sale

TO BE HELD AT

BELLEVILLE, KANS., JANUARY 23, 1908

Thirty-five head of tried sows, yearling gilts, spring gilts of March April, and May farrow, of the large, mellow, feeding type, also a few good boars. This offering is pronounced by good judges the best and growthiest lot that ever was sold at the Freedom Stock Farm. The blood lines are of Tecumseh, Expansion, Hutch Wonder by Prince Wonder, Peter Mouw's breeding. Sows and gilts are bred to the two herd boars, Prince Perfection 38798 and Blue Valley Grand 47923 by First Look by Grand Look. A special \$50 boar pig will be given away free. Send for catalogue. Stop at the Rock Island Hotel.

Col. John Brennan, Auctioneer.

D. D. Bramwell, Clerk.

Agriculture

Red Clover Land for Alfalfa.

I have a field which has been seeded to red clover for the past four years. I have had a good stand but want to seed to alfalfa. Would it do to double disk it early in the spring, harrow, and sow the alfalfa?

Shawnee County. C. J. KINKEAD.

If the field is all clover and contains little grass, your plan of disking well, to prepare a seed-bed for sowing alfalfa next spring, might give good results. As a rule, however, I would recommend plowing the clover land and securing a crop of corn, followed by a crop of oats or some early-maturing crop the following year, seeding the alfalfa in the fall of 1909. This will be safer and will doubtless give a much better field of alfalfa than to follow the plan which you suggest. In the meantime you should secure a large crop of corn and also a good crop of oats.

I would advise to sow another field to alfalfa this spring rather than the one in question. Land that grew corn last year may be seeded to alfalfa simply by disking and harrowing well to prepare a good seed-bed, or a piece of early fall plowed land, well cultivated during the winter or early spring should make a good seed-bed. I have mailed you copy of circular No. 10 on seeding alfalfa.

Sweet corn of the Evergreen varieties makes the best soiling corn. The date of feeding will be controlled somewhat by date of planting. Dent corn of almost any variety may also be used for this purpose.

A. M. TENEYOK.

Alfalfa.

How long may we expect alfalfa to live on land where the underflow is within 10 or 12 feet of the surface? Is it possible to draw the moisture by capillary attraction 10 or 12 feet? What advantage, if any, has the spike-tooth disk over the ordinary disk for alfalfa cultivation?

Would seed corn, alfalfa and Kafir-corn from the experiment station at Manhattan do to plant on the 100th meridian and altitude 2,000 feet?

Clark County. M. L. DICKSON.

Alfalfa, after being well started on such land as you describe, ought to live and produce well for many years, provided it is well cared for. Of course the gophers, grasshoppers, and other pests may injure or destroy the plants, or the weeds may choke the alfalfa unless it is well cultivated.

There is no question but that capillary water may rise from a depth of ten to twelve feet and supply the crop growing on such land. This will be especially true with alfalfa which roots to a great depth. Doubtless roots of alfalfa will reach the under-ground water, thus securing continuous supply and alfalfa should thrive and produce abundantly on such land for a long time, provided the land is well drained. If the soil fills up with water, the alfalfa plants will drown.

The ordinary disk-harrow, used intelligently, is a good implement for cultivating alfalfa. The spike-tooth disk may have some advantages over the ordinary disk-harrow in that the spikes slip past the alfalfa plants and do not cut them off as may occur in the use of the disk-harrow if the disks are set too sloping. For detailed information on this subject I have mailed you copy of circular on disking alfalfa.

I would advise that you plant seed-corn grown in your section of the State, provided you can secure well-bred seed of a good variety. This may also apply to alfalfa and Kafir-corn. However, you might secure seed of these grains, etc., from further north, but preferably in the same longitude. We have no alfalfa seed for sale. I would recommend our corn and Kafir-corn largely on the ground that we have pure-bred varieties and it may be advisable for you to secure a little seed from this station or from breeders who have well-bred seed and adapt it for growing in your soil and climate.

In fact, the seeds may not give good results the first season, but this will depend largely upon the season. I have mailed you circular No. 12 on seed-corn. A. M. TENEYOK.

Tame Grass for Pasture.

I wish to sow about ten acres of tame grass for pasture. Will you kindly advise me as to the best kind, or kinds, to sow for that purpose? I wish to pasture mules and Jersey cows on it. I have the ground plowed. How would be the best way to work the ground for the best seed-bed?

I wish to use the manure this year for top dressing on alfalfa ground which has been mowed for a couple of years. Would it be all right to haul it out this winter from the horse and cow stable as it accumulates and spread it on the alfalfa. I bed with wheat straw.

How well should alfalfa be cured before putting in the barn or stacking? Wilson County. D. A. TAYLOR.

In your section of the State I would recommend the following combination of grasses for pasture: Fifteen pounds each of English blue grass and orchard grass with four pounds of alsike clover or eight pounds of alfalfa per acre. With reference to preparing the seed-bed, seeding, etc., I have mailed you copy of Press Bulletin 125 on English blue grass and circular No. 10, on seeding alfalfa. The principles discussed for seeding alfalfa apply also to seeding other grasses.

It will not be advisable to spread straw manure on your alfalfa land. If the manure is fine and well rotted then it may be hauled and spread on the alfalfa any time during the winter, but fresh manure with much straw in it is objectionable, since the straw will be raked up to some extent with the first cutting of alfalfa. It would be better to haul this coarse manure on pasture land rather than on alfalfa meadow. I have mailed you copy of circular No. 3, giving information on manuring.

Regarding the curing of alfalfa hay, I have mailed you copy of circular letter upon this subject.

A. M. TENEYOK.

Yellow or White Corn.

How far from any other variety do you recommend planting pure-bred corn to keep it from mixing with other corn? Do you recommend shelling off tips and butts when shelling for seed or do you shell all together?

Have you demonstrated which has the greater feeding value, the Yellow Dent or the White corn?

Please let me know next fall when your Kharkof seed wheat is ready for shipment as I would like to get it here by September 1, also give price of same. CHARLES FAREWELL.

Stafford County.

I would recommend not to plant this corn nearer than a quarter of a mile of any other corn field. Plant it, if possible, on the west or south of the other fields, as the prevailing winds during the pollinating season are more frequently from the west or south-west than from the east or north-east. We always shell off the tip and butt kernels which are irregular in shape and size when we prepare our seed-corn either for planting or for sale.

Will book your order for Kharkof wheat, but you should let us know about how many bushels you will require. If we have a good grade of wheat it will probably sell at about \$1.75 per bushel next year, f. o. b. Manhattan, including sack. My reason for raising the price of wheat is that our seed wheat will be purer and better bred next year than in previous years. Practically all of the wheat we planted last fall for seed production was from carefully selected heads and should be free from mixture.

A single feeding experiment has been carried on by the Animal Husbandry Department of this college in which yellow was compared with white corn. No marked difference in results was secured. If any difference was noted it was in favor of feeding white corn, which is not in accord with the general experience of farmers who usually prefer yellow corn for feeding.

I have many times answered this question in this way: The color of corn has no bearing upon its feeding qualities. There are some varieties of white corn which are excellent feeding varieties. The same is equally true of varieties of yellow corn, while in both classes there are varieties which are not of so good feeding quality. The feeding value of corn, as determined by the farmers, depends not only upon its composition but also upon its softness or the ease with which it may be masticated by the animal. A relatively soft corn feeds better than a hard, flinty variety. However, the hard, flinty variety may contain the most nourishment pound for pound and if the corn is ground and the meal fed, the feeding value of the corn may favor the hard, flinty corn.

A. M. TENEYOK.

Sweet Clover for Hog Pasture.

I would like to ask if you would advise sweet clover for hog pasture or is there any feeding value in it as grass or hay? Will it stand pasturing? I have a piece of ground which I sowed to alfalfa but hogs killed it in a little more than a year. I then sowed it to English blue-grass. It did a little better but is dead now. The land is sandy soil with some alkali spots, underlaid with shelly sand stones from eighteen inches to three feet beneath the surface. L. A. ROMBELL.

Montgomery County.

Sweet clover has very little value for pasture or for hay. It may have some value as a fertilizer or green manuring crop. It is really not so permanent as alfalfa, since it is an annual, or at best a biennial, the plants dying as soon as they have produced seed. It grows luxuriantly in waste places where it has the best opportunity of reseeding from year to year.

You probably pastured the alfalfa too closely. The only way to maintain a stand of alfalfa which is pastured with hogs is to pasture very lightly, having a much larger acreage of alfalfa than is really necessary to furnish pasture for the hogs and then cut the crop the same as you would if the hogs were not pasturing upon it.

In your section of the State a combination of Alsike clover, English blue-grass and orchard-grass should make a productive and fairly permanent pasture although a good alfalfa pasture should furnish more feed than a clover-grass combination. I have mailed you circular letters on sweet clover.

A. M. TENEYOK.

The Disk-Furrow Opener.

I would like to get all the information possible regarding the disk-furrow opener method of planting corn. Does it take four horses to draw a planter with the furrow opener attachment, and would this permit checking the corn? I should not think that a check line could be used on a planter when drawn by four horses.

I would like to get some idea about the work which a disk-furrow opener would do, what kind of a stand of corn could be secured, and also about the manner of cultivation.

Sumner County. W. C. LAMBKY.

I have mailed you copy of bulletin 147 giving information regarding our experiments with Indian corn. On page 239 of this bulletin you will find a report and discussion of our experiments with the disk-furrow openers. The results of the experiments at this station are slightly in favor of using the disk-furrow opener when the corn is planted with the surface planter. It is necessary, however, to plow the land and prepare a good seed-bed when the disk-furrow openers are used in planting corn, and it requires four horses to operate a corn planter with the disk-furrow opener attachment. When the four horses are driven abreast it will not be possible to use the wire to check the corn. It would be possible to put on a lead team, when the check wire may be used and the corn planted in hills, in rows both ways. Of course the planter

Mayer

Martha Washington COMFORT SHOES

Thousands of women thoroughly enjoy the genuine relief and comfort of Martha Washington Comfort Shoes. They fit like a glove and feel as easy as a stocking. No bother about buttons or laces; they just slip on and off at will. Elastic at the sides prevents pinching or squeezing, and "gives" with every movement of the foot. Absolute comfort guaranteed.

Your dealer will supply you; if not, write to us. Look for the name and Trade Mark on the sole.

SEND: Send the name of a dealer who does not handle Martha Washington Comfort Shoes, and we will send you free, postpaid, a beautiful picture of Martha Washington, size 15x20. We also make the stylish "Leading Lady Shoes."

F. Mayer Boot & Shoe Company MILWAUKEE, WIS.

"Solid Comfort"

160 FARMS IN WESTERN CANADA FREE

WESTERN CANADA

Some of the choicest lands for grain growing, stock raising and mixed farming in the new districts of Saskatchewan and Alberta have recently been opened for settlement under the

REVISED HOMESTEAD REGULATIONS

Entry may now be made by proxy (on certain conditions), by the father, mother, son, daughter, brother or sister of an intending homesteader. Thousands of homesteads of 160 acres each are thus now easily available in these great grain-growing, stock-raising and mixed farming sections.

There you will find healthful climate, good neighbors, churches for family worship, schools for your children, good laws, splendid crops and railroads convenient to market.

Entry fee in each case is \$10.00. For pamphlet "Last Best West," particulars as to rates, routes, best time to go and where to locate, apply to

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American Centrifugal Pumps

GUARANTEED

Highest mechanical efficiency. Saves 25% of power over all other pumps. Give us your pump specifications.

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THE AMERICAN WELL WORKS
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BOWSER SWEEP MILLS

Different from all others. Grind Corn with husks or without. Run in the hand and all kinds small grain. 4 and 8 horse sizes. Coated 10 to 1 or 7 to 1. (Also makes 7 disc mill.)

C. B. P. Bowser Co., South Bend, Ind.

might be drawn by two heavy horses, but the planting could not be done as rapidly as when the ordinary planter is used without the disk-furrow opener attachment.

When the corn planter is carefully adjusted so that the corn is well covered, we have been able to get a good stand of corn by using the disk-furrow openers, and there is some advantage in early cultivation especially when the harrow is used, since the corn planted with the disk-furrow opener is not so apt to be injured by the harrow as surface planted corn. Also the weeds are more easily covered at the first cultivation than is possible with surface planted corn.

A. M. TENEYCK.

Corn Breeding.

BY J. B. PETERSON, STUDENT IN AGRICULTURE, KANSAS STATE AGRICULTURAL COLLEGE.

In order to have pure-bred corn we must have careful selection. The selection should begin in the fall by picking out fifty or more of the best ears you have raised that year and plant them in your seed plot the next spring. Plant your seed as early in the spring as possible so that the corn can reach maturity before frost. Select your seed from the seed plot for the next crop.

The usual method of selecting seed corn is by taking the good ears, which are found while husking the corn during the shucking season. This method should not be used. First, because we are not likely to husk corn until the seed has lost a part of its vitality; second, because we are likely to shuck the poorest field first; third, because we are not likely to take as good care of seed corn gathered at husking time as of that gathered early in the fall; and fourth, because we will have more pride in picking out the best ears from the seed corn gathered from the breeding plot.

We will occasionally find good ears in harvesting our field corn, but we should remember that the corn may be pollinated by poor stalks and may be by the stalks that are barren. On the other hand if our seed is selected from our breeding plots the barren and weak stalks are removed during the growing season which prevents them from fertilizing the ears of the productive stalks.

Many farmers are contented by selecting their seed from the corn crib just about the time they start to plant. They think corn is corn, but there is as much different ears of corn as between different individuals in a herd of hogs or other stock.

A farmer asks, "How can I select my seed corn so that I may increase my yield?" I answer, make your selection of seed ears right out in the field soon after the corn is fully mature. We can not say exactly what day to gather seed corn as some varieties are later in maturing than others and the climatic conditions are different. The size of ears, number of ears to stalk, size of stalk and color and uniformity of kernel all effect, to some extent, the yield of the variety. It is better to have one large, well-matured ear than to have two small, immature ears on a stalk.

Go into your field early in the fall and select good ears from vigorous, leafy stalks, of medium height on the stalk, and with medium sized shanks, just long enough to give the ear an angle of about 45°. Hang these ears up in a seed house where the air is dry and the temperature remains moderately warm. A dry temperature of about 60° to 70° gives the best results.

The United States to-day, produces over three-fourths of the corn of the entire world, but it is produced by too much labor. The yearly output is now over 2,500,000,000 bushels and if we would raise it as we should we would double that amount. Our fields are only half productive. Think of the great amount of labor in plowing, planting, and cultivating ninety million acres to produce our annual corn crop when we might raise the same amount on forty-five million acres. This may be accomplished by selecting and planting better seed.

We sometimes hear a corn grower state that he must send off for some new seed; that he has been growing one kind so long that it has "run out." Corn will no doubt decrease in productivity if good seed is not selected each year, at the proper time and carefully saved and dried. But the usual practise of the average corn-grower is to go out to his open crib in the spring and pick out such ears as he may find, shell the tips, butts, and middle kernels together and plant without testing the germination or vitality of the corn. Is it any wonder that the corn "runs out?"

The longer corn is grown under certain conditions the better it becomes adapted to those conditions. The great need of the country for corn production is careful corn breeders in every locality, who will breed and distribute seed of the highest-producing strain for that certain locality. The principles of corn breeding are the same as the principles of stock breeding. One must continually breed the best as "like begets like" and each ear should produce an ear like its mother ear. Two ears of corn look alike and yet one ear may produce twice as much corn as the other and ears truer to the type of the parent ear.

It is evident in order to breed for increased production, we must breed for uniformity in size and shape of kernels for two reasons: uniform kernels will plant more evenly and will produce ears more like the parent ear. In order to find which ears have the greatest tendency to reproduce, it is necessary to plant the kernels of each ear in separate rows. Seed ears may then be selected from the highest-yielding rows for the next year's seed. Go into your field or plot and select the best seed ears and plant them in an ear-row plot for the next year's breeding plot, weighing the product from each row to determine the highest yielding rows. It is the opinion of some people that if a kernel will sprout it is all right for seed, but let me impress this upon your minds that the sprout must grow vigorously.

What constitutes an ideal ear of corn? This question must be answered by every corn-breeder if he wishes to succeed. He must have an ideal in mind and work to that end. The ear of his ideal must be determined by the condition of the soil and climate. There are certain characteristics which apply to all conditions. An ideal ear must have the characters of maturity, vitality, and productivity. Such ear should be, first, perfectly sound and firm and as large as will mature under the conditions in which it is grown; second, cylindrical in shape with straight rows of deep uniform kernels, having large germs.

In judging your seed ears, pick those ears which are uniform in type and breed characteristics and those that have good vitality, indicating a strong constitution. The ears should be well proportioned in length to circumference, with butts and tips well covered with uniform kernels. The kernels should be long and rectangular in shape with large germs, a small proportion of starchy matter, and well matured. The color of grain and cob should be noted. White corn should have a white cob and yellow corn a red cob. Be careful that there are no mixed kernels. The spaces between the rows of kernels at the cob should be considered as it decreases the per cent of corn to cob. A perfect ear of corn should be cylindrical, or very slightly tapering toward the tip, its length not less than nine inches and the circumference about three-fourths of its length. The rows should be straight and not less than sixteen in number. The kernels should be mature, deep, rectangular, and uniform in size and shape. The percentage of corn to the cob should not be less than eighty-six per cent.

The best plan for storing or saving seed is a good seed house built for that purpose which can be heated successfully, but taking everything into consideration, for the farmer, probably there is no better place than the attic of the house close to the chimney or a cellar where there is a furnace. Corn

must be well dried before cold weather comes and also the atmosphere must be kept dry. Do not pile your corn up but hang it up or have drawers with wire netting bottoms and four inches deep to place your seed corn in. If piled in a heap it will become moldy and the vitality of the seed will be injured. This will cause a poor stand and decrease the yield of the crop the following year. Do not store seed corn in barrels or boxes. Do not depend upon the crib for your seed. Discard those ears which show low vitality.

One of the ways in which seed corn is injured is by improper drying and storing. Corn is most likely to be injured during the first six weeks after gathering as it contains twenty-five per cent or more of moisture, even after it is matured, and it takes some time to reduce this moisture content unless artificial heat is applied. Do not store seed corn in the horse or cow stable where the ammonia or moisture from the stable will come in contact with it. Do not store it where the temperature varies continually. A house constructed especially for seed should be about two feet from the ground with galvanized iron inverted over the posts to keep the rats and mice from getting in and also that the air may circulate freely underneath. The room should be so constructed that it may be easily ventilated. The best racks are those in the shape of a drawer with a wire netting bottom that will hold about one bushel. The house should be provided with a stove so that the drying will be more rapid, but do not have too intense heat. The temperature should be kept at about 70°.

If you are going to buy seed corn, purchase it in the ear for three reasons. First, you can see exactly what you are getting and the corn is likely to be much better in quality; second, the vitality can be more thoroughly tested and the poorest ears may be discarded; and third, you can prepare the seed better for the planter, picking out the uniform kernels. In buying seed corn it is not advisable to secure it from a long distance. Seed corn should not be shelled until near planting time, but early in the spring a germination test should be made of each ear and the poorest ears discarded and the good ears shelled and the corn made ready for planting.

There is perhaps no one thing that will do as much to increase the yield of corn on every farm as the testing of each ear to be used for seed. The importance of discarding the ears that are poor in vitality is essential when we realize that one good ear will plant one-eighth of an acre. The simplest and best method of testing the germination of each ear is by using a germination box. The most convenient box is three by four feet, with wire stretched cross-wise forming squares large enough to hold six to eight kernels. Fill the box with sand. Number each one of the squares. Take a few kernels from each ear and put in each of these squares. Then wet the sand and place a damp cloth over the box keeping the sand and cloth moist and warm. Keep a record of the time of germination and note the kernels which fall to grow. In this way determine the strength of the vitality of each ear.

After the germination test, the next step is to prepare the corn for the planter; by removing the mixed kernels, the un-uniform kernels; the injured or rotten kernels and the tip and butt kernels, when the corn should be carefully shelled.

The value of testing the vitality of corn which is intended for seed can not be over-estimated. It is strange how many farmers, even to-day, are willing to plant corn without the least certainty that the seed will germinate and produce good, healthy plants. There are thousands of acres that have been planted over each year on account of the poor vitality of the seed. I wish each farmer would stop to consider this. Get a seed tester and test your seed next spring. The vitality of each individual ear of corn intended for planting may be determined. You can discard the poor ears,

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keeping the good ears for seed. Some farmers say they have not the time to test the seed. Stop and consider that it only takes from eight to ten good ears for each acre. Suppose you plant an ear of low vitality. Then you are losing one-eighth of your crop and it takes only a few minutes to make the germination test.

From what part of the ear shall I take the kernels in making a germination test? Take about six kernels from each ear, choosing two near the butt, two near the middle and two near the tip of the ear, removing only one kernel from a place around the ear. Place the kernels say ear No. 1 in square No. 1 with the germ and the kernels from the butt on one side, the kernels from the middle in the center, and the kernels from the tip on the other side. You can then tell which end of the ear is of low vitality.

A dull pocket knife or similar instrument is best to remove the kernels with, being careful not to injure the kernels. Label each ear corresponding to the number of the square in the tester. After you have tested all the ears, number them with another label according to the vitality and some of them having the same vitality may be labeled alike, the one truest to type and breeding characteristics being numbered first. It is best to test your seed early so as to have plenty of time to look elsewhere for seed of greater vitality if occasion demands it.

Do not always take into consideration that a nice appearing ear, according to the score card, will be the best breeder or give the highest yield, for this is not always true. A well-formed ear and well-developed kernel, as required by the score card, tends to associate with a large yield and a good quality of grain. You will find that the highest-yielding rows, will, as a rule, produce ears that will score the highest.

Although the suggestions on selecting and saving seed corn by the professors of agricultural colleges and other prominent breeders of corn will be of great help, good corn will only be produced through the careful work of the farmer himself, following the advice of such corn breeders.

Again in your breeding plot it is advisable to detassel the poorer stalks so as to keep them from pollinating the silks in the good stalks.

There are several different purposes for which we may breed corn. These are high protein, or low protein in connection with the largest yields. If we could follow out Mendall's theory, we could have a pure type in seven years. In breeding for high protein and low protein corn and studying the individuality of the seed ears, we will find those ears that have the high protein content will have the highest feeding value. The way of determining whether a kernel of corn is high in protein is to cut the kernel into halves and if there is a large amount of hard horny matter, with a large germ, and a small amount of white substance or starch, the kernel is high in protein.

What we are trying to produce is the ear of corn that will give us the highest yield and the best feeding value. It will be those ears that have large germs, deep rectangular sized kernels with butts and ears filled out with regular sized kernels. uniform kernel is desired because one can plant it more evenly with the planter. The man who wants the best and can give a few days extra time to his breeding plot is the man who is going to succeed in raising corn.

Miscellany

Mid-Winter Exposition at Topeka.

EDITOR KANSAS FARMER:—Topeka's big winter show, its seventh annual Mid-Winter Exposition, will be held January 20 to February 1. Each year this exposition has grown in importance and interest. Unlike many similar public enterprises, it has not been permitted to deteriorate and has on

the contrary steadily improved. It presents a combination of features with points of interest calculated to appeal to the greatest variety of tastes and is conducted upon a high plane, that prevents anything of an objectionable nature. The exhibits come from many parts of the United States, and in addition to pure food products, there is included furniture, domestic and imported rugs, musical instruments, electrical devices, office supplies, and numerous other things that are of general interest. At the food exhibits are served delicious edibles and thousands of samples of food products are given away. There's a charm about expositions of this kind where the displays are made in the midst of surroundings that delight the eye and ear, a charm that comes with the brilliant effects of decorations and the strains of pleasing music.

The vaudeville is another feature that lends variety. There's none of the slap stick comedy that depends upon coarse jests for its applause, but it is of a higher quality and partakes more of feats of strength, skill, and daring, such as delighted the people of ancient Rome.

This exposition at Topeka has come to be looked upon as the winter event of Kansas, and each year has drawn largely increased crowds from over the State. This year gives indications of seeing the largest attendance with which the exposition has ever been favored.

The two-cent railroad rate is going to be of decided assistance. While in years past, a special rate of a fare and one-third has been granted for the round trip, there was always the disadvantage of the return portion of the ticket being limited in a way that was very inconvenient for the holder. One fare and a third equals a rate of four cents for the round trip, in other words, is exactly a two-cent rate and the traveler has the advantage of purchasing his ticket when he leaves home, and when he gets ready to return, he purchases another ticket at such time as may suit his convenience.

The Kansas State Board of Health will have an exhibit that will prove very instructive. It will consist of demonstrations of the methods employed to detect impurities and adulterations in food products and will be in charge of chemists from the State University, who will have the delicate instruments from the university with which to work. This work will be done in such a manner as to make plain to visitors the difference between real pure foods and the adulterated kinds. The State Board of Health, under the energetic management of Secretary Crumbine, is accomplishing a great deal of good and this exhibition will do much to enlighten the public.

R. S. BRIGHAM.

Topeka, Kans., Jan. 6, 1908.

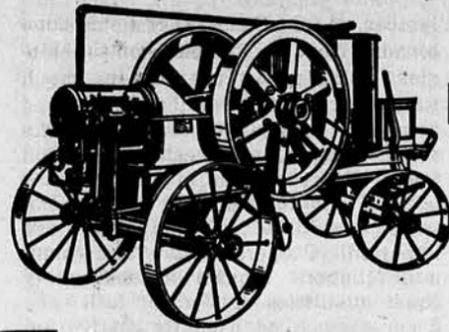
Dry-Farming Congress.

EDITOR KANSAS FARMER:—The second general convention of those interested in the reclamation of the semi-arid regions of America by systems of scientific soil culture is hereby called to meet in the city of Salt Lake, Utah, January 22-26, 1908.

The objects of this convention are:
1. The consideration of the best methods of rendering the lands of the semi-arid West productive where ditch irrigation is impracticable.
2. The determination of the best agricultural methods where crop and live-stock farming is practicable.
3. To encourage the establishment of experimental farms to determine the limitations of scientific soil culture and seed selection; these farms to be operated under the direction of State and federal experiment stations or private enterprises.

4. To assist the prospective settler in every practical way to determine what land under scientific soil culture methods is susceptible of crop production.

5. To encourage the use of every conservative practical method for developing the semi-arid regions of America. FISHER HARRISON, Pres. Salt Lake City.



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Horticulture

The Drain Upon the Forests.

BY ROYAL B. KELLOGG,* CHIEF OFFICE OF WOOD UTILIZATION, U. S. DEPARTMENT OF AGRICULTURE.

Every American who is abreast of current affairs is aware that the forests of the country are being cut down much faster than they are growing, but few have any very definite idea of just how much more wood is being cut than is being produced, nor of how long it may be, under present condi-

lumber as for all the other items combined. Next to lumber comes shingles, requiring 6.3 per cent as much timber as is used for lumber; hewed cross-ties require approximately the same amount. Domestic pulpwood takes 4.3 per cent as much timber as is used for lumber, and in addition large quantities of pulpwood are imported. Cooperate stock and round mine timbers require approximately equal quantities of timber; lath take 2 per cent, wood used for distillation 1.7 per cent, veneer 0.9 per cent, and poles 0.6 per cent of the quantity used for lumber.

The total quantity of timber used annually for lumber and the other pro-

the exportations of yellow pine amounted to about 8 per cent of the total cut of yellow pine lumber, that of redwood to over 6 per cent, and that of Douglas fir to nearly 8 per cent of the cut. Considering all kinds, the exports of hewed and sawed timber and lumber amounted to about 5 per cent of the total lumber production in 1906.

The lumber cut by States in 1906 is shown in figure 3. Washington leads, with 11.5 per cent; Louisiana is second, with 7.4 per cent; Wisconsin

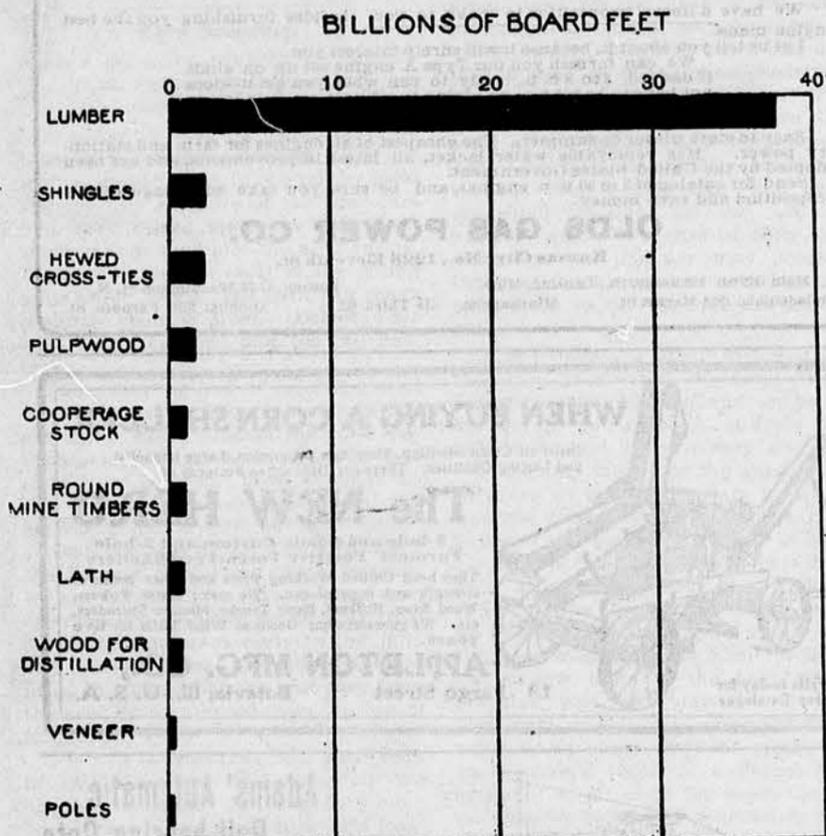


Fig. 1.—Forest products, 1906.

tions and methods, before certain woods, now abundant, will be used up. Such information is not easy to obtain, and it is impossible to give more than estimates of the yearly growth.

The charts and data given in this circular are based upon statistics of forest products in 1906, compiled by the Bureau of the Census and the Forest Service, with the exception of those upon mine timbers, which were

ducts mentioned above is equivalent to approximately 50 billion board feet.

LUMBER.
The cut of lumber by species in 1906 is shown in figure 2. Yellow pine is far in the lead, furnishing 31.1 per cent of the total amount. Douglas fir comes second, with 13.2 per cent; white pine third, with 12.2 per cent; hemlock fourth, with 9.4 per cent; and oak fifth, with 7.5 per cent. Spruce

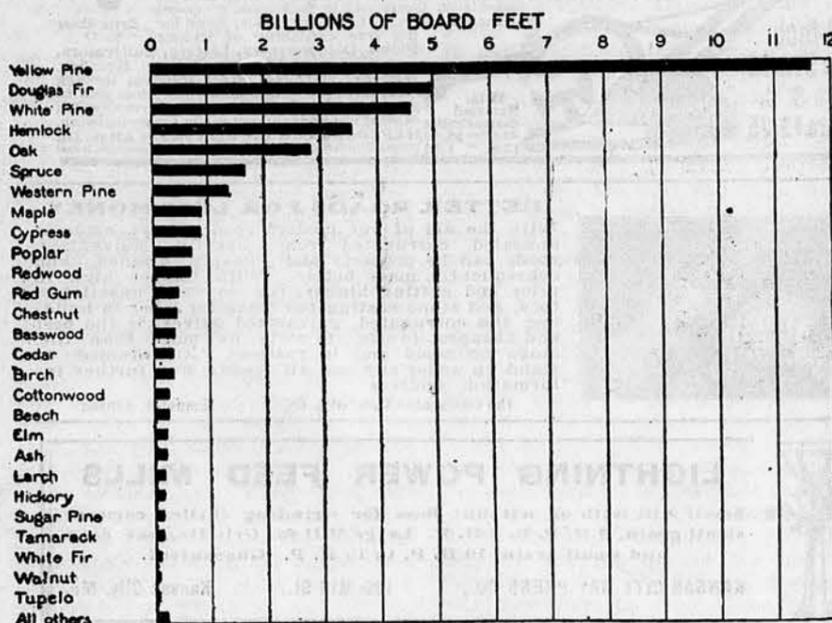


Fig. 2.—Lumber production by kinds, 1906.

collected by the Forest Service and the Geological Survey for the year 1905.

THE KNOWN DRAINS.

Figure 1 shows the output of forest products in 1906, all classes being reduced to equivalent board feet for more ready comparison. Roughly, three times as much timber is used for

*Mr. Kellogg is a Kansas man whose parents live at Fay, Russell County. He is making an enviable record as an investigator and writer.

and western pine furnish 4.4 per cent and 3.7 per cent, respectively. These seven kinds of timber furnish over four-fifths of the total, and no other kind reaches one billion feet of lumber annually. Under lumber is included sawed railroad cross-ties.

The three kinds of lumber which are most largely exported are yellow pine, redwood, and Douglas fir, the first going principally to Europe and the others most largely to Australia, the Orient, and South America. In 1906



Fig. 5.—Hardwood and softwood lumber production, 1906.

third, with 6.2 per cent; and Michigan fourth, with 5.6 per cent. The fifteen States which cut over one billion feet each in 1906 supplied nearly three-fourths of the total production.

The proportion of the total lumber production of the United States furnished by nine States in 1880 and in 1906 is shown in figure 4. In 1880 these States produced 52.8 per cent of the total amount, and in 1906, 51.5 per cent, practically equal proportions, but the changes which have taken place in the output of individual

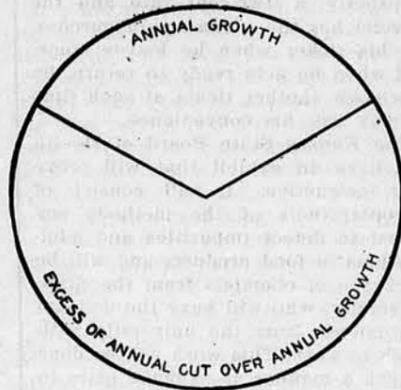


Fig. 7.—Excess of annual cut over an annual forest growth.

States are very striking. Michigan, for instance, cut 23 per cent of the total in 1880 and but 5.6 per cent in 1906; Louisiana cut 0.7 per cent of the total in 1880 and 7.4 per cent in 1906; Washington furnished but 0.9 per cent of the lumber production of 1880 and 11.5 per cent of that of 1906. The cutting out of the virgin timber in the North and East has been followed by increased drains upon the forest resources of the South and West.

The hardwood and softwood lumber



Fig. 8.—Ratio of State and National forests to private and unreserved forests.

production in 1906 is shown in figure 5, the softwood cut being over four times the hardwood cut. There has been a very decided change in the ratio of hardwoods to softwoods in recent years. In 1899 the hardwoods furnished nearly 25 per cent of the

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MARLBOROUGH, MASS.

total, against less than 19.5 per cent in 1906. This has been caused by a greatly increased cut of certain softwoods, together with a strong decrease

ances the decrease of 40.8 per cent in white pine. On the other hand, the cut of the two most important hardwoods, oak and poplar, has decreased

1880 and it is probably safe to say that, could wholly complete statistics be obtained, at least 40 billion feet would be shown at present. The many substitutes for wood that have been proposed, and to some extent used, have not lessened the demands for lumber, as is shown by the fact that the per capita consumption was 360 board feet in 1880 and 440 board feet in 1906. However, the rate of increase in lumber production has been very small in recent years, which indicates that the maximum cut for the country as a whole has been nearly if not quite reached.

BILLIONS OF BOARD FEET

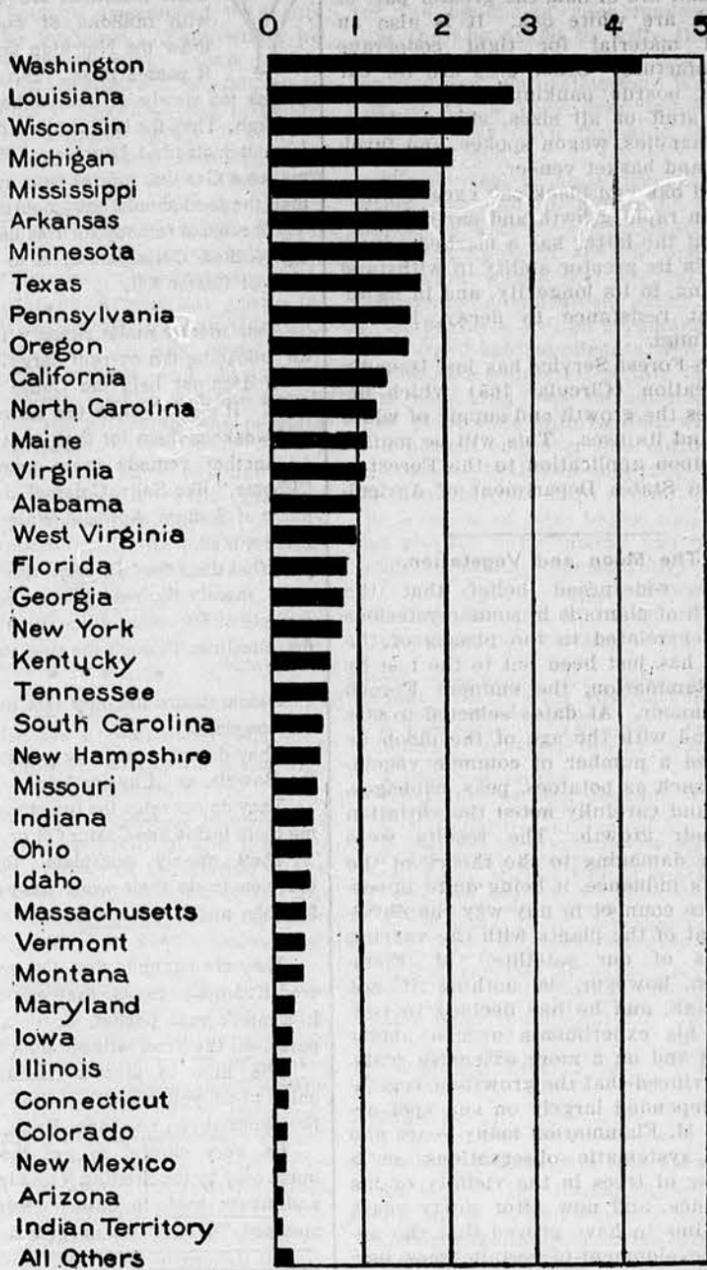


FIG. 3.—Lumber production by States, 1906.

in leading hardwoods. In the last seven years yellow pine has increased 20.7 per cent, western pine 46.9 per cent, cypress 69.3 per cent, redwood 83.2 per cent, and Douglas fir 186.2 per cent, which far more than counterbal-

ances the decrease of 40.8 per cent, respectively, in the same period. The total lumber production reported by the censuses of 1880, 1890, 1900, and 1906 is shown in figure 6. The cut has more than doubled since

FOREST AREA, VOLUME, AND ANNUAL GROWTH.

The estimates of the forest area of the United States run from 500 million acres to 700 million acres, and it is safe to say that under present conditions the annual growth does not exceed 60 board feet per acre. This gives in one case a yearly increase of 30 billion feet and in the other case one of forty-two billion feet. In other words, it appears that the annual growth of our forests does not exceed the amount of wood used for lumber alone. Considering all the drains upon the forests, the annual consumption of wood is probably three times the annual growth. Figure 7 shows graphically the excess of the annual cut over the annual growth, based upon this assumption.

HOW LONG WILL THE TIMBER LAST?

The estimates of standing timber in the United States, are by no means satisfactory. The most detailed ones range roughly from 1,400 to 2,000 billion feet. Assuming a stumpage of 1,400 billion feet, an annual use of 100 billion feet, and neglecting growth in the calculation, the exhaustion of our timber supply is indicated in fourteen years. Assuming the same use and stand, with an annual growth of forty billion feet, we have a supply for twenty-three years. Assuming an annual use of one-hundred and fifty billion feet, the first supposition becomes nine years, and the second, thirteen years. Assuming a stand of 2,000 billion feet, a use of one-hundred billion feet, and neglecting growth, we have



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(LARGEST SEED CORN GROWERS IN THE WORLD.)

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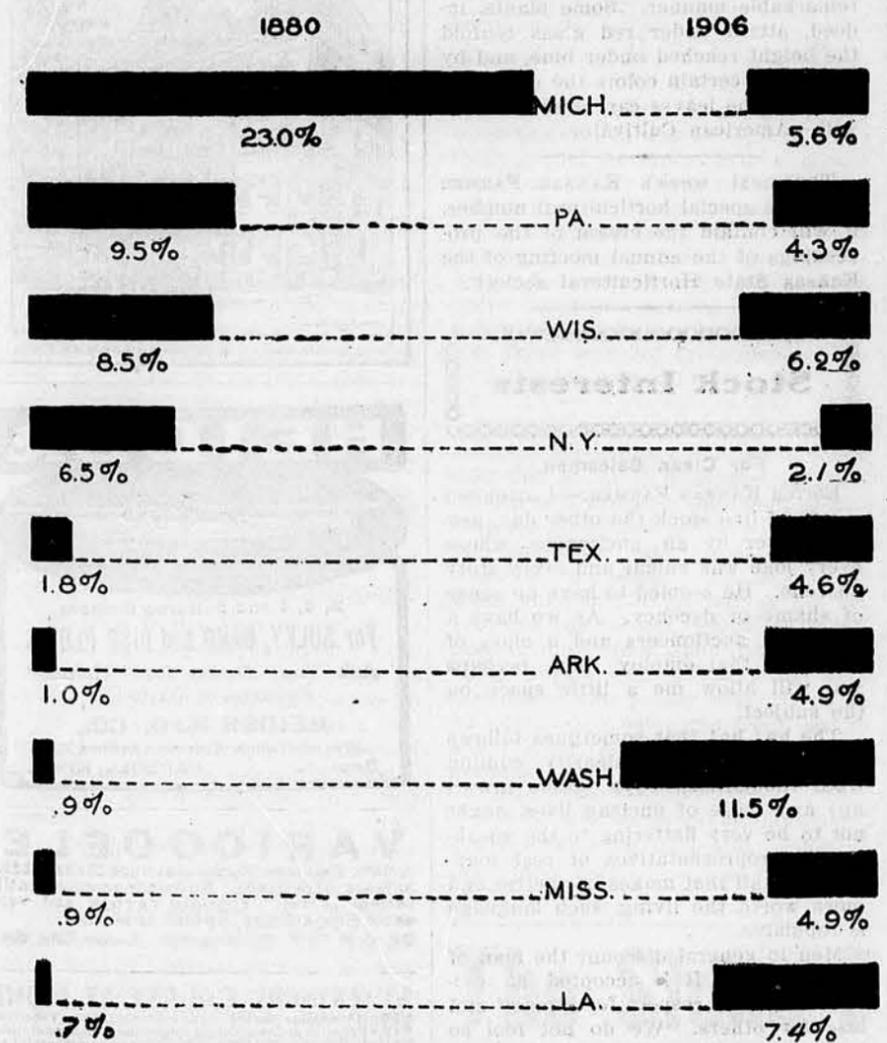


FIG. 5.—Comparison of the relative production of lumber by nine States in 1880 and 1906.

twenty years' supply. Assuming the same conditions, with an annual growth of 40 million feet, we have thirty-three years' supply. With an annual use of one-hundred and fifty billion feet, these estimates become, respectively thirteen and eighteen years.

There is another way of looking at the question: The two leading kinds of lumber on the market now are southern yellow pine and Douglas fir. The cut of yellow pine is nearly one-third of the total lumber cut, and is nearly, if not quite, at its maximum. Our minimum and maximum estimates of yellow pine stumpage are 130 and 300 billion feet. The present rate of

woods, has increased in total quantity less than 100,000 cords, and is now out-ranked by hemlock. Pine, balsam, and cottonwood are used in much smaller amounts.

New York alone consumes each year over a million and a quarter cords of wood in the manufacture of pulp, or more than twice as much as Maine, which ranks next. Wisconsin, New Hampshire, Pennsylvania, and Michigan follow in the order given. Sixty per cent of the wood used in New York was imported from elsewhere, and even so the supply appears to be waning, since the total consumption for the State shows a small decrease since 1905, whereas the other

the handsomely figured panels, ceiling, and molding of "quarter-sawn" oak.

White oak is the favorite timber for railroad cross-ties, and of the 90,000,000 ties purchased each year nearly one-half are of oak, the greater part of which are white oak. It is also an ideal material for tight cooperage manufacture. Other uses are for car stock, boards, planking, beams, dimension stuff of all sizes, ship building, tool handles, wagon spokes, and furniture and basket veneer.

Red oak and black oak exceed white oak in rapid growth and early maturity, but the latter has a marked advantage in its greater ability to withstand shading, in its longevity, and in its inherent resistance to decay, insects, and fungi.

The Forest Service has just issued a publication (Circular 105) which describes the growth and supply of white oak and its uses. This will be mailed free upon application to the Forester, United States Department of Agriculture.

The Moon and Vegetation.

The widespread belief that the growth of plants is in some mysterious manner related to the phases of the moon has just been put to the test by M. Flammarion, the eminent French astronomer. At dates selected to correspond with the age of the moon he planted a number of common vegetables, such as potatoes, peas, cabbages, etc., and carefully noted the variation in their growth. The results were rather damaging to the theory of the moon's influence, it being quite impossible to connect in any way the development of the plants with the varying phases of our satellite. M. Flammarion, however, is nothing if not thorough, and he has decided to continue his experiments over a longer period and on a more extensive scale.

Convinced that the growth of vegetation depended largely on sun spot activity, M. Flammarion many years ago began systematic observations on a number of trees in the vicinity of his residence, and now after thirty years he claims to have proved that the annual development of certain trees, particularly the chestnut, varies with the solar disturbances. Of more general interest are his experiments at the Juvisy Observatory, Paris, where by intercepting the sun's rays with different colored glass he has found that while blue glass keeps vegetation back, red glass hastens it in a most remarkable manner. Some plants, indeed, attain under red glass tenfold the height reached under blue, and by the use of certain colors the color and shape of the leaves can be modified at will.—American Cultivator.

The next week's KANSAS FARMER will be a special horticultural number. It will contain the cream of the proceedings of the annual meeting of the Kansas State Horticultural society.

Stock Interests

For Clean Salesmen.

EDITOR KANSAS FARMER:—I attended a sale of live stock the other day, presided over by an auctioneer whose every joke was vulgar and every story obscene. He seemed to have no sense of shame or decency. As we have a few such auctioneers and a class of stockmen that employ them perhaps you will allow me a little space on the subject.

The ha! ha! that sometimes follows these outbursts of vulgarity, coming from thoughtless boys (some grown up) and those of unclean lives, ought not to be very flattering to the speaker. To representatives of real manhood and all that makes life better and more worth the living, such language is repulsive.

Men in general discount the man of unclean lips. It is accepted as evidence of little respect for himself and less for others. We do not feel so free to trust him with our business as the man with pure speech and clean

How to Exercise the Bowels

YOUR intestines are lined inside with millions of suckers, that draw the Nutrition from food as it passes them. But, if the food passes too slowly, it decays before it gets through. Then the little suckers draw Poison from it instead of Nutrition. This Poison makes a Gas that injures your system more than the food should have nourished it.

The usual remedy for this delayed passage (called Constipation) is to take a big dose of Castor Oil.

This merely make slippery the passage for unloading the current cargo.

It does not help the Cause of delay a trifle. It does slacken the Bowel-Muscles, and weakens them for their next task.

Another remedy is to take a strong "Physic," like Salts, Calomel, Jalap, Phosphate of Sodium, Aperient Water, or any of these mixed.

What does the "Physic" do?

It merely flushes-out the Bowels with a waste of Digestive Juice, set flowing into the Intestines through the tiny suckers.

Cascarets are the only safe medicine for the bowels.

They do not waste any precious fluid of the Bowels, as "Physics" do.

They do not relax the Intestines by greasing them inside like Castor Oil or Glycerine.

They simply stimulate the Bowel-Muscles to do their work naturally, comfortably, and nutritiously.

They are put up in thin, flat, round-cornered Enamel boxes, so they can be carried in a man's vest pocket, or in a woman's purse, all the time, without bulk or trouble.

The time to take a Cascaret is not only when you are Sick, but when you first suspect you need one. Price, 10c a box.

Be very careful to get the genuine, made only by the Sterling Remedy Company and never sold in bulk. Every tablet stamped "CCC." All druggists. 720

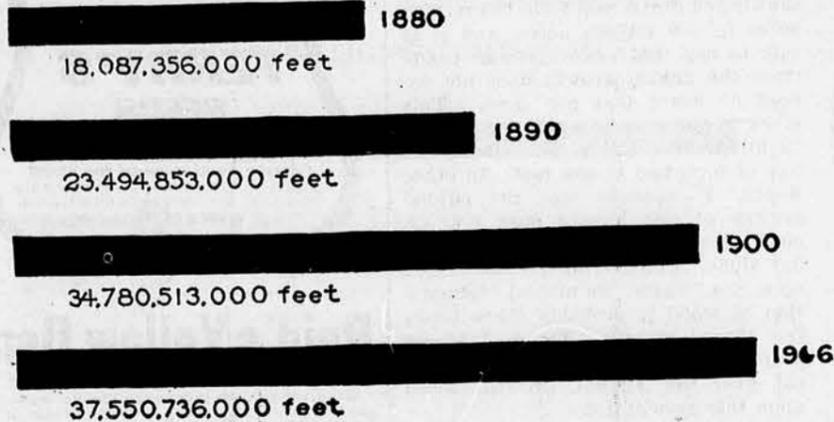


Fig. 6.—Lumber production of the United States, 1880, 1890, 1900, 1906.

cutting will exhaust the supply in about 10 years in the first case and in 25 years in the second case, neglecting annual growth, which is rapid with old-field pine and slow with longleaf pine. The largest estimate of the stand of Douglas fir is 350 billion feet. This means a 70 years' supply at the present rate of cutting, neglecting annual growth. As it is probable, however, that the cut will more than double within a few years, the outlook is that there will be comparatively little Douglas fir left in from 25 to 30 years. The case of Douglas fir now is closely parallel to that of white pine in the Lake States 30 years ago, and there is much reason for believing that the supply of fir, outside of the National Forests, 30 years hence, will be as limited as that of white pine now.

Wood for Paper Costs Twenty-Six Millions.

THE PUBLISHER PAYS MUCH MORE FOR HIS STOCK THAN HE DID LAST YEAR.

To-day there is general complaint among publishers that printing paper is constantly growing dearer. In the Middle West many local papers are raising their subscription price 50 per cent in order to pay for the paper. From the time when Guttenberg first used movable type, made of wood, to the present day of metropolitan papers, some of which consume the product of acres of spruce in a single edition, printing has in very large degree depended upon the forest.

In the face of a threatened shortage of timber, the amount of wood consumed each year for pulp has increased since 1899 from 2 million to 3½ million cords. The year 1906 marked an increase of 93,000 cords in the imports of pulpwood, the highest average value per cord for all kinds, and a consumption greater by 469,053 cords than that of any previous year.

Spruce, the wood from which in 1899 three-fourths of the pulp was manufactured, is still the leading wood, but it now produces a little less than 70 per cent of the total. How well spruce is suited to the manufacture of pulp is shown by the fact that during a period in which the total quantity of wood used has doubled and many new woods have been introduced, the proportion of spruce pulpwood has remained nearly constant in spite of the drains upon the spruce forests for other purposes. During this time three different woods, from widely separated regions, have in turn held the rank of leader in the lumber supply.

Since 1899, poplar, which for years was used in connection with spruce to the exclusion of all other paper

States named have all increased their consumption. Other States important in the production of pulp are: Massachusetts, Minnesota, Ohio, Oregon, Vermont, Virginia, and West Virginia.

The average cost of pulp delivered at the mill was \$7.21. The total value of the wood consumed in 1906 was \$26,400,000. The chief item determining the price of paper is the cost of pulp. An example of the increased price of paper is found in the case of a publisher of a daily in the Middle West, who recently paid \$1,200 for a carload of paper. The same quantity and grade of paper cost a year ago but \$800.

The chemical processes of paper making, which better preserve the wood fiber, are gaining over the mechanical process. In 1899, 65 per cent of the wood was reduced by the mechanical process; in 1906, less than 50 per cent.

All importations of wood for pulp are from Canada, and comprised, in 1906, 739,000 cords, nearly all of which was spruce. Four and a half million dollars worth of pulp was imported in 1906, a slight falling off from 1905.

Circular 120 of the Forest Service contains a discussion of the consumption of pulpwood in 1906, based on statistics gathered by the Bureau of the Census and the Forest Service. The pamphlet can be had upon application to the Forester, United States Department of Agriculture, Washington, D. C.

White Oak.

The Southern Appalachian region, including the Allegheny ranges and the plateaus which slope westward to the Mississippi and Ohio rivers, is now the chief source of supply of white oak, as well as the region of its greatest commercial importance. West Virginia, with an estimated stumpage of nearly 5,000,000,000 board feet has more than one-third of the standing white oak in this region. The State of Kentucky still has over 2½ billion feet, and Tennessee a little over 2,000,000,000 feet. Virginia and North Carolina follow next in order with over 1,000,000,000 each.

White oak is one of the most widely distributed and commercially important trees of the United States, and its total annual product of over 2,000,000,000 feet of lumber is more than double that of any other hardwood. The wood is compact and close grained, hard, tough, strong, heavy, and durable in contact with the soil. By a peculiar mode of sawing by which the boards are cut nearly parallel to the pith rays, the silver grain is shown, furnishing

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life. Men who so shamelessly exhibit their immorality can not lend dignity to the live stock business, neither do they inspire confidence in the methods or morals of those engaged in it.

Think of taking a boy to such a place to become acquainted with this part of the business. What would he learn? Such language used in his presence on the street would cause the immediate arrest of the offender. Have those engaged in the live stock business a lower moral standard than those in other lines that they will permit such language to go unchallenged, yes even employ a man known to us it? No. We prefer to believe it is one of the overlooked abuses, that the offending auctioneer has grown into it hardly realizing how belittling and nauseating it is. In any event it is time to call a halt and demand a "clean" auction, and to ask the breeders to avoid the salesman who persists in this nastiness.

A breeder after the expence and pains of producing a really valuable addition to the stock interest of the country can hardly afford to advertise his indifference to good morals and desency of employing a vulgar salesman. All honor to the strong, clean men that grace the sale ring. "May this tribe increase." **READER.**
Morris County.

Lump-Jaw or Actinomycosis.

DR. DAVID ROBERTS, WISCONSIN STATE VETERINARIAN.

The first appearance of lump-jaw is either an enlargement of the jawbone or an enlargement of the glands of the throat, which are just back of the angle of the jaw and at first may be loose from the jaw, but later become adhered.

These swellings on the jaw or of the glands when broken will discharge a yellowish, sticky pus, which contains hard, yellow granules or fragments of bone. As a result of the swelling the teeth may be pushed out of their natural position, and consequently an animal can not masticate its food properly and will soon run down in flesh. The decaying of the bone oftentimes results in the destruction of the tooth sockets and the teeth often fall out.

Every swelling of the jaws of cattle

need for their services in localities where there exists an actual scarcity of labor. Samples of blank forms are transmitted, and it is respectfully requested that at least the one applicable to "farm labor" be reproduced for the benefit of your readers, and that they be asked to write the Division of Information, Bureau of Immigration and Naturalization, Washington, D. C., if they need laborers or domestics or have farms to rent on shares.

The services of the Division are absolutely free and no money or stamps should be sent in any instance. We desire to know of specific opportunities; what wages will be paid; what chances for advancement exist; whether employment will be permanent; and it is urged that applicants write their names and addresses plainly in order that confusion may be avoided. We will place this information where it will benefit employer and employee.

Trusting that you may aid us and that much good may accrue through the medium of your paper, and thanking you for any courtesy you may extend, I remain, respectfully,

T. V. POWDERLY,
Chief of Division of Information, Department of Commerce and Labor.

The applicant for farm laborers should give careful specific replies to the following questions:

1. Employer: (Name.) (State.) (County.) (City or town.) (Street or P. O. address.)
 2. Two references.
 3. Number of men desired.
 4. Nature of duties.
 5. Nationalities preferred.
 6. Married or single men preferred.
 7. (a) Will transportation be paid from point within United States? (b) If so, will amount be deducted later from employee's wages?
 8. Wages (and whether garden patch, milk, etc., are furnished free to employee's family).
 9. Can services of wives be utilized, and if so, compensation therefor?
 10. Are homes furnished, and if so, under what conditions?
 11. Hours of labor.
 12. Will employment be permanent?
 13. Special advantages.
- Remarks.
Date.
Sign here.

Prices of Kansas and Nebraska Wool.

In a price list issued December 26, 1907, the McMillan Fur and Wool Co., of Minneapolis, Minnesota, gives the following quotations for Kansas and Nebraska wool:

NEBRASKA AND KANSAS.

	Choice.	Av.	Dingy and very Earthy.
Unwashed, fine (bucks 09 to 10).....	.17	.14	.11
Unwashed, fine medium (½ blood).....	.19	.16	.13
Unwashed, Medium (¾ and ¼ blood).....	.23	.20	.17
Unwashed, coarse.....	.21	.18	.15
Unwashed, medium and coarse burry, seedy, very chaffy, cotted, frowzy.....	.17	.14	.11
Unwashed, fine and fine medium burry, seedy, very chaffy, cotted, frowzy.....	.15	.12	.09
Unwashed, average lots, loose or broken without fine.....	.18	.15½	.13
Unwashed, loose or broken fine.....	.15	.12	.09

should be regarded as possible lump-jaw, if the definite cause for it is not known. The swellings are sometimes noticed to remain for some time without perceptible growth, but sooner or later inflammation will cause the swelling to increase.

This disease is due to a germ and when pus discharges from any of these enlargements and falls on the grass or feed of any other stock, these animals are liable to contract the disease. In this manner a whole herd may be ruined if the treatment is neglected.

Miscellany

Do You Desire Foreign Help?

WASHINGTON, D. C., January 4, 1908. **EDITOR KANSAS FARMER:**—There is herewith inclosed a copy of Section 40 of an act of Congress creating the Division of Information, the object of which is to promote a beneficial distribution of aliens admitted into this country.

We particularly desire to reach those who are in need of farm laborers or are likely to require this class of help in the future. The Division is therefore communicating with the editors of various periodicals devoted to agriculture asking that they publish a news item setting forth our efforts to bring to the attention of admitted aliens and unemployed citizens the

Those who desire to go into a live stock business in which they can count their profits in fancy figures should not overlook the black fox. The McMillan Fur and Wool Co., reports that No. 1 or prime large black fox pelts are worth \$350 apiece. Even silver grey fox pelts are quoted at \$200, rather handsome figures. How would a fox farm suit the fanciful reader? But these foxes of the expensive fur sort inhabit cold climates.

The Chief Forester of the Department of Agriculture, Gifford Pinchot, says that as far as endangering future forests is concerned, the effect of cutting for Christmas trees is infinitesimal compared with forest fires and wasteful lumbering. He says that trees suitable for Christmas do not grow in old forests, where reproduction is most important, but in the open. Even if serious denudation were threatened the proper remedy would be not to stop using the trees, but to adopt wiser methods of cutting and growing.

Many a poor horse suffers because it can not chew its food well. Look at their teeth before you dose them with medicine.



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FREE BOOKLET on curing meats **Be Sure You Get "Wright's Condensed Smoke."**
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A Bone Maker, A Muscle Developer, A Flesh Producer, Prevents Scouring in All Kinds of Young Stock.

Oat Nutriment is a cooked product of our cereal mill and is guaranteed to contain no drugs. It contains 20 per cent of Protein and 8 per cent of Fat. Stock breeders will find its use invaluable in fitting their show herds. Price \$1.90 per hundred, F. O. B. Atchison. Special prices on car lots.

Atchison Oat Meal & Cereal Co., ATCHISON, KANS.



A FLAG FOR EVERY SCHOOL HOUSE

The last Kansas Legislature enacted a law (Chapter 319, Laws of 1907), requiring school officers to provide and display an American flag on each school house in Kansas.

The publishers of The Kansas Farmer, Topeka, Kans., have procured a supply of standard American flags sufficient to supply each school district in Kansas. These flags are to be given as premiums and the patrons of each district can, by clubbing their subscriptions together, secure a flag of suitable size and quality with no expense to the district. Flags of standard wool or cotton bunting—any size desired.

Very many districts have already been supplied. Flags can be shipped on short notice. Order at once and send the subscriptions later. Have a new flag for the new year. Every teacher should urge his patrons to have the flag and have it now.

For sizes of flags and other particulars, address

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Books which every Farmer and Gardener should own.

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By Glenn C. Sevey, B. S. A practical treatise on the production and marketing of beans. It includes the manner of growth, soils and fertilizers adapted, best varieties, seed selection and breeding, planting, harvesting, insects and fungous pests, composition and feeding value, with a special chapter on markets by Albert W. Fulton. A practical book for the grower and student alike. Illustrated. 144 pages. 5x7 inches. Cloth.....\$0.50

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By W. R. Beattie. A practical guide for beginners and a standard reference of great interest to persons already engaged in celery growing. It contains many illustrations giving a clear conception of the practical side of celery culture. The work is complete in every detail, from sowing a few seeds in a window-box in the house for early plants, to the handling and marketing of celery in carload lots. Fully illustrated. 150 pages. 5x7 inches. Cloth.....\$0.50

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By William E. Rice and William E. Cox. This is the most complete and exhaustive work of the kind ever published on squab raising. It is not a book of second-hand references, but contains the hard earned experiences of the authors. Every detail of their methods of selecting, breeding, feeding, killing and marketing squabs is given in plain, simple language, with numerous illustrations, all taken from the home plant of Mr. Rice, in New Jersey. The plans and specifications for building, etc., are as complete as an expert architect could make them. Illustrated. 150 pages. 5x7 inches. Cloth.....\$0.50

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History, Cultivation and Merits. Its Uses as a Forage and Fertilizer. The appearance of the Hon. F. D. Coburn's little book on Alfalfa a few years ago has been a profit revelation to thousands of farmers throughout the country and the increasing demand for still more information on the subject has induced the author to prepare the present volume which is, by far, the most authoritative, complete and valuable work on this forage crop published anywhere. It is printed on fine paper and illustrated with many full-page photographs that were taken with the especial view of their relation to the text. 336 pages. 6½x9 inches. Bound in cloth, with gold stamping. It is unquestionably the handsomest agricultural reference book that has ever been issued. Price, postpaid.....\$2.00

DWARF FRUIT TREES

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THE LITTLE THINGS OF LIFE.

A good-bye kiss is a little thing,
With your hand on the door to go,
But it takes the venom out of the sting
Of a thoughtless word or a cruel fling
That you made an hour ago.

A kiss of greeting is sweet and rare
After the toil of the day,
And it smoothes the furrows plowed by
care,
The lines of the forehead you once
called fair,
In the years that have flown away.

'Tis a little thing to say, "You are kind,
I love you, dear," each night;
But it sends a thrill through your
heart, I find,
For love is tender, love is blind,
As we climb life's rugged height.

We starve each other for love's caress,
We take, but we do not give;
It seems so easy some soul to bless
But we dole the love grudgingly, less
and less,
Till 'tis bitter and hard to live.
—Margaret E. Sangster.

Health and the Drug Act.

The new drug act that was passed last winter is working great good for the general welfare of the public, which has been humbugged and imposed upon by unprincipled persons bent upon getting rich at the expense of credulous and suffering people. The crusade is only begun, and it will take time to reach all the injurious patent medicines on the shelves of the drug stores, but it is having a good effect and the eyes of the public are being opened. People are beginning to realize that they have been deceived and humbugged and the result will be to lessen their faith in and dependence upon drugs and turn their thoughts toward keeping up their health by the observance of sanitary laws and proper living.

Half the ills that befall humanity are the result of improper living—a disregard for the rules of health and doping the system with drugs. But the drugging process is passing and instead of rushing to the drug store for some cure-all for some pain or physical inconvenience, the sufferer will look to his mode of living and discover the cause and set about to correct it. Many times an abstinence from food or a change to a light diet with the use of plenty of hot water will correct a trouble, without the unpleasant results of drugs. So many of the aches and pains are the result of indigestion, and many serious maladies are the result of neglected and impaired digestion. Rather than deny ourself the pleasure of eating anything and everything—or restrain ourself to eat slowly and masticate thoroughly, one is tempted to resort to some favorite stomach tablet to head off the unpleasant results—and the drug habit is thus formed. But the gospel of health is being preached everywhere and it is to be hoped that the time is not far away when a man will be ashamed to be seen buying patent medicines, and every one will feel it a disgrace to be ill.

The analyses of medicines disclose many things. Not all of them contain poisons, but they show how the public have been made to pay several times its cost for something useless. A physician said she had just found out what Castoria is; that the analysis showed that it was nothing more than sirup of senna. An old remedy and a good one, but that in buying Castoria the purchaser paid twenty-five cents for what could be had for a few cents. The Castoria Company has made great money and the public has paid it.

An old gentleman over eighty years old was saying a short time ago to one who was suffering from catarrh that for over thirty years he had held his catarrh in check by the use of a particular patent medicine—a snuff. The listener forthwith sent for the wonderful cure—lo and behold, it could not be had. The druggist said its sale was discontinued because it

was found to contain cocaine. Nothing could have induced this old gentleman to use cocaine, but he had unwittingly been using it for many years. We hope the day is not far distant when drug stores will be "few and far between" and upon the shelves will be only the drugs necessary for the use of physicians.

New Years' Resolutions.

In a New Year's sermon, Charles M. Sheldon gave some New Years' resolutions which are so good that they ought to be passed along. The year is still new and if you have already made up your list of resolutions, these can be added, and if you have neglected to do so, these are already, and all you will have to do is to see that you keep them:

1. We will first of all be careful of the physical life, avoiding any dissipation of powers and all useless luxuries, and if we be nearing the age of forty-five or fifty we will try to avoid careless and slovenly habits of dress and behavior as it is a common habit of men nearly the half-century mark to grow inattentive to neatness and outward nicety.

2. We will keep up our personal interest in the great world by taking an enthusiastic part in at least some one true and great reform.

3. We will read through, in the course of the year, at least two inspiring and informing books.

4. We will keep up or renew the old friendships of life. Write to the old high school or college classmate. Don't let the past become a blank. We lose many friends because we are too lazy to keep them.

5. If I have a family I will keep myself attractive and young for the sake of my home. Play with the children. Surprise your wife by baking her a birthday cake, or take her some flowers when it isn't her birthday.

6. We will help to make our town the best town in Kansas. Don't wait for the preacher to head all the reforms. Take hold and do your part.

7. We will keep ourselves in touch with spiritual forces. If we don't belong to the Sunday School we will join. If we have never been to the prayer meeting we will go this year even at the risk of making the minister faint away to see one-third of his church membership at the meeting.

8. We will not spend more money for luxuries than we spend for religion.

Secretary Coburn says the grand total value of all farm products and live stock in Kansas in 1907 was \$463,397,606, an increase over 1906 of \$39,313,739. This makes a per capita of \$280. How much of this wealth has gone into the kingdom of God?

9. We will forgive our enemies and try to be kinder and happier than we were last year.

10. We will put the kingdom of God first in our daily lives and try to add to the sum total of the earth's righteousness. That is what the earth needs, more than anything else. Give us a righteous Nation. That is what preachers and people ought to preach and pray for this year of our Lord 1908.

Literature and Art in the Home.

The importance of meeting the mental cravings in our children is clearly set forth by John Wright Buckman in his experience as told in the Congregationalist and Christian World:

The boy, being ours, is of course an extraordinary little fellow—in his mother's eyes and mine. To the rest of the world I suppose he is much like the average boy. Some good instincts he has, and others not so good—affectionate, observant, play-loving, work-disliking, quick to imitate, slow to obey, fond of the circus, not fond of church, but withal having a good germ of conscience, a bright face, a good

report-card, and a staunch little self-hood that bids fair to do its parts in the world and capture others hearts as it has those of his parents.

As this boy likes bright colors and life and fun, of course he likes—the Sunday newspaper, especially that grand modern achievement, the pictorial supplement.

But, being a minister's boy, how comes he to be familiar with the Sunday paper? It is a fair question, but readily answered by asking another. Does any one think that with Sunday newspapers flooding the neighborhood, floating about the streets, flaunting their seductions everywhere, a bright boy can be kept as ignorant of them as of the Hegelian dialectic?

Very kindly, a neighbor's boy first supplied the lack in our household, and in marched the boy with a handful of Sunday papers, dropped down upon the floor with them and was soon rippling with laughter. Up he jumps and hies to mama, thence to papa: "Please read this to me!" Who could refuse? And how he laughs as he gets the full import of the wonderful feats of Buster Brown or Maud or Sambo!

It is all very well for a time. The jokes are harmless, the slang not intolerable, and here there is a touch of genuine fun. But alas! the next set of pictures is flat and silly, if not worse, the slang abominable, the tone coarse and low. How can the boy discriminate?

You express your disgust, and finally refuse to read any more. And back he goes to the floor to pore over them alone. By spelling out a word here and there and studying the sequence of the pictures he gains the artist's idea, and saturates himself with the tricks and travesties of the various heroes and heroines. The next day it crops out in his conduct and language, and lo! the boy is fast becoming modernized, a culture-product of the Sunday newspaper.

What is to be done? Either to keep them from him or to take them away, seems the proper course. But the first is no easy matter. When the neighbor's boy failed, after a time, to bring the coveted prize, one day the boy found in his own back-yard a thick pile of the fascinating sheets, bright with all the colors of the rainbow, which the tenants in the flat downstairs had placed there. What a wind-fall! The boy comes in the back door with his arms full. Now he is in clover.

"But why not take them away?" Well, no doubt the Puritan parent would do that in a whisk, and add something beside, to insure against further transgression. But what would be the effect? A sense of injustice, misunderstanding, alienation. He might be told until doomsday that the pictures are bad, vulgar, wicked, but he could not understand. And he would know very well that some of them, at least, were harmless and really funny.

No; the wiser way, surely, is to recognize the legitimate craving beneath this wayward expression, and endeavor to meet it. What the boy wants, plainly enough, is pictures—art, if you will—adapted to his age, and also some lively narrative, with genuine fun in it for the pictures to illustrate.

That this is the boy's real desire I readily proved by getting him on my knee—not in the Puritan posture—with a copy of that royal, rollicking boy's book, Charles Kingsley's "Water Babies" in my hand. There were pictures in it, not much better in execution than those of the Pictorial Supplement, but how he scanned them, and how he bubbled with laughter when Tom made faces at the other, and when the big salmon knocked the breath out of him, and when the old lobster got caught in the trap! And how big his eyes grew when Tom saw Grimes caught for poaching, and how hushed and thoughtful he became when at last Tom found the water babies and was happy!

Poor and cheap became the Sunday newspaper beside a story like that. Such stories there are—though none quite so good—and pictures too, for these hungry boys and girls, who would fain content themselves with

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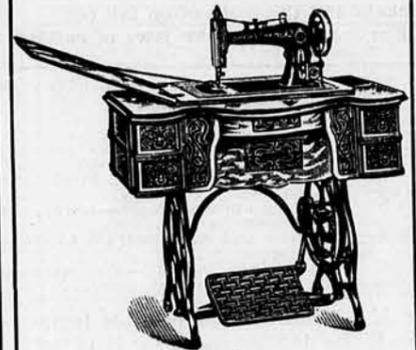
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the husks with which thousands of older prodigals try to fill themselves on that day when their fathers and mothers read their Bibles and filled their souls with the finest of the wheat. What a defective home is that which furnishes for its boys and girls no higher literature than the Sunday newspaper, and no truer art than the pictorial supplement! What will be the harvest in culture, in morals, in religion, of such a sowing? Let the children, at least, have something better.

Personal Hygiene.

MARY JUDSON BRUSH.

Personal hygiene may be defined as that which has to do with the preservation and improvement of health.

The old definition of "that which has to do with the preservation and restoration of health" has given way to this higher ideal of preservation and improvement of health.

One of the most important factors in the study of the body and health is to find out and appreciate the necessity of health, and to come to the realization that it is our duty to be well.

Many people are willing to spend time and money to regain health, but what is needed is the willingness to do anything that is necessary to acquire perfect health.

Statistics show that only ten per cent of the human race die from natural causes, that of the wearing out of the body through old age, illness and poor health result in most cases from ignorance, carelessness, or intemperance. There are many forms of intemperance besides alcoholic intemperance. We may be intemperate in eating, sleeping, or in work or play. Any of these intemperate forms may be nearly as disastrous as alcoholic intemperance.

Every one has his own personal limitations and we should all study our own case and try to improve our condition.

Since man has both mental and spiritual life, as well as physical life, these must be considered in any study of right living.

There can be no perfect happiness without perfect health; also there can be no perfect health without mental and spiritual health, which gives happiness.

Adjustment comes into the problem of right living and it is necessary to know as much as possible about our body to enable us to make the most perfect adjustment to the complexity of modern life.

Short Cuts for Busy Housewives.

Mrs. Helen Wells, who is lecturing in New York institutes, is giving shorter and better ways of doing things in the home, that women may have more time and happier homes.

She advises us to buy washing soda instead of washing powders. Dissolve one pound in one quart of water, as it is more convenient to use. The following is a recipe for Javell water used in cleansing clothes and removing stains: One pound of washing soda, one-fourth pound of chloride of lime, two quarts of boiled soft water (cooled), let stand eight hours, strain and cork tightly, and keep in a cool place. Rinse the clothing thoroughly after removing the stains with the above, and neutralize by using ammonia water.

Rub vinegar on the hands to remove wrinkles after washing clothes, for it will neutralize the chemicals in the soap. To remove rust stains, get a one per cent solution of muriatic acid, wet the rust spot and hold over a bowl of boiling water, and with a dropper drop on one drop of solution, rinse in the bowl, and repeat the operation until the stain is removed, then rinse in ammonia water.

A quick way to bake potatoes is to wash them thoroughly, let them stand in boiling water for five minutes, dry, grease with butter, place just inside the furnace door. They will bake in twenty minutes. You can also bake beans inside the furnace door. One lady, who has no furnace, said that she raises the back covers of her cook

stove and places the potatoes in there to bake.

Kerosene in water is one of the best things to clean woodwork with, to wash windows, and also to wring the mop out of to wipe the carpet with. It keeps the carpet clean and bright. A good new maple floor is the best floor there is. Oil it once a year. If you use linoleum, do not tack it down when first placed on the floor; wait until after it has stretched and shaped to the floor. Use milk and cold water to clean it with; never use hot water, for it injures the colors. A good substitute for linoleum, if you have one, is to take an old body-brussels carpet, turn it upside down, paint and oil it.

To save steps in doing housework, have a small kitchen cabinet made. It can be made from drygoods boxes at small expense. One lady had her husband make her one from three small boxes, placed on top of each other, and finished with a plain table top, and drawers. Castors were placed underneath, so it could be easily rolled from place to place where it was needed. It was useful when setting or clearing off the table, as the dishes could all be placed on it at once, and rolled from dining-room to the kitchen.

To preserve eggs, we learned: Take one quart of water-glass, which you can buy at a drug store, to nine quarts of boiled soft water (cooled). Wipe off perfectly fresh eggs with a cloth, do not wash them. Place the liquid in a stone jar, and drop the eggs in as you have them. They will float to the bottom. Preserved in this way, eggs will keep a year.

The Young Folks

THE THREE OLD LADIES.

There was an old lady all dressed in silk,
Who lived upon lemons and butter-milk;
And, thinking this world was a sour old place,
She carried its acid all over her face;

Another old lady all dressed in patches,
Lived upon nothing but lucifer matches;
So the world, it made her strangle and cough,
And sure as you rubbed her you set her off.

Another old lady, all sunny and neat,
Who lived upon sugar, and everything sweet;
Exclaimed, when she heard of their troubles, "I never!
For the world is so nice I could live on forever."

Now, children, take your choice,
Of the food your hearts shall eat;
There are sourish thoughts, and brimstone thoughts,
And thoughts all good and sweet;

And whatever the heart feeds on,
Dear children, trust to me,
Is precisely what this queer old world
Will seem to you to be.

--Mary Mapes Dodge.

The Pampered Poodle.

MICHAEL WHITE.

Bijou was the petted and overfed treasure of a too indulgent mistress. His life from its earliest puppyhood had been chiefly associated with soft cushions, a diet of chicken liver alternating with turkey breast, and even little rubber shoes to keep his feet dry, and a fine lace pocket-handkerchief. The only distress that ever came into his existence, with a single exception, was his periodical warm bath. That was very annoying, but he did possess a real terror in the kitchen cat. Of real dog life he knew nothing except a glimpse caught, now and then, of mud-bespattered street canines, as he disdainfully swept past on the seat of his mistress' carriage. They seemed very rough and noisy creatures, with whom he was glad to have no closer acquaintance.

His mistress was visiting at her country house, when one fine morning a tepid spirit of adventure prompted Bijou to slip out unattended. He found it such a novel experience to be out in the bright sunshine, free of a string and entirely on his own account, that he barked for the very joy of it. Then he sprang around, when the gaiety in his soul gave place to the most appalling terror. A cat had

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crept between him and his retreat and was advancing.

To escape back into the house was impossible, so with a yell, and his tufted tail clinging to his hind legs, Bijou fled across the lawn into the woods, and away he knew not whither. He at last plucked up spirit enough to glance timidly around, when, to his dismay, he discovered that his home was nowhere in sight, that he had not the least idea to what place he had fled.

To add to his distress it began to rain, the ground became sloppy, and instead of the curled and perfumed little beast that he was, he presented a woefully dirt-bespattered object. At last he came to a hedge, through which he crawled, to find himself on a road that he had never traveled before. So in utter despair he sat down in the ditch and began to whine in the misery of his condition.

He had remained thus for some time when there chanced along a farmer's dog. So engrossed was he with his own affairs that he had passed the poodle before the pitiful whine reached his ears. Then he halted.

"Why, sharpen my teeth!" he exclaimed, "what kind of a beast are you? Not a dog, I'll bet half my supper."

"Oh, yes, sir, I am," returned the poodle. "Indeed I am a dog, only I've lost my way. I wish you would help me to find my home, though my mistress will be dreadfully shocked when she sees me in this state."

"Why, what's the matter with you?" asked the farmer's dog. "Broken a paw?"

"No, sir; but don't you see how dirty I am. There is mud even on my ears."

"Oh, great bones! Is that all?" replied the farmer's dog. "Why, I'm covered with mud, too, but I don't know that there is any particular harm in it."

"Yes, sir; but you see I am not a common dog. I have always been taken the greatest care of, and I am afraid my beautiful coat is ruined."

"You don't say!" returned the other. "Then why did you leave your pretty coop in rainy weather?"

"I didn't intend to," whined the poodle. "It was quite fine when I came out, but I was chased by a cat."

"A what?" exclaimed the farmer's dog. "Chased by whom did you say?"

"A cat, sir."

"A cat! Chased by a cat! Oh, my rabbit burrows! That settles it; you're no dog. See here, I can't bother with a beast that is chased by a cat. A good trot home to you," he concluded contemptuously, as he turned to continue his journey.

"Oh, for mercy's sake don't leave me here!" whined the poodle, rising

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and following after. "I must find some place of shelter from the wet."

"Now, look here," said the farmer's dog, "I'll just tell you straight that I can't stand a beast around me that runs away from a cat. Besides, it would be no use you're going home with me if you're afraid of cats, as there are half a dozen of 'em around the barn; darned big fellows, too. You'd just better curl up under the hedge until some one comes along that understands your case, as, be-switched if I do."

But the poodle was determined not to spend the night out, supperless and wet, by the roadside. He promised not to turn tail from a cat, and so was permitted to scramble along beside the farmer's dog without further protest.

"Come on, now," cried the latter, quickening his pace. "If we don't hurry up, we'll get no supper."

"Ah, what shall we get for supper?" panted the poodle, experiencing for the first time in his life a real sensation of hunger. "I really think I could eat a nice slice of beef if it was not too well done."

"If we get some left-over soup meat and bones we'll be in luck. Come on. Come, trot up there. You waddle along like an old goose with sore feet."

What a run that was, and what a succession of surprises fell to the poodle's lot during the next twenty-four hours. As the farmer's dog had predicted, the supper was of the plainest, but ravenous as the poodle became, he enjoyed it more than any food he had ever tasted. Then he curled up beside his new friend, not in a nice, satin-quilted basket as was his custom, but amid straw in the barn, and slept without a cat-haunting thought until daylight. Then came the first test of an awakening spirit.

He had followed the farmer's dog out from the barn, when almost from under his whiskers there rose a volley of cat abuse that sent his tail curling tightly about his legs, and a tremor through his extremities that suggested a bolt from the yard. But before he could turn his tail to the enemy, with a growl and a rush the farmer's dog had tumbled him into the scrap, and there he was, fighting for all he was worth, because he had no other option. So when the dust cleared away, and he could collect his senses, what was his amazement to see the cat on top of a wall and himself master of his first glorious field of action.

How he barked and jumped about the farmer's dog, shouting defiance to all the cats in the land.

Much concerned, indeed, was his mistress on the day following, when she had discovered her pet's retreat in such company. But this gave place to a feeling of astonishment mingled with chagrin, when, instead of running to the protection of her arms, he evinced a decided preference to scamper off with his new friend. And this was capped when, after he had been conveyed under protest safely home, he displayed the new-found, true, dog spirit within him, by tearing his little pocket-handkerchief into strips, burying his boots instead of a bone, vowing unalterable friendship with the farmer's dog, and engaging in a lively tussle with his old foe, the kitchen cat.

There is nothing like a period of red shirt and overall life to make a man out of the youth who has been overindulged.—Pets and Animals.

The Hard Place in the Hill.

"There's always a hard place in every hill," said the teamster, patting the panting horses. "Some will settle back and balk at the very first tug and pull it gives them; and there's others that you'll see grow bright-eyed and resolute, with a set of the shoulders that means going to the top unless the harness breaks. There's men and women that way, too, when you come to think of it."

All young people of to-day know Louisa M. Alcott's beautiful books, but there are not so many who know the beautiful life that made the books possible. In one of her early periods

of hardship, there came a time, her biographer tells us, when the thought of suicide seemed for a brief moment welcome. Her sister had just died, and Louisa had gone to Boston in search of work. "As she walked over the mill-dam, the running stream brought the thought of the River of Death, which would end all troubles." She had come to her hard place in the hill. The next entry in her journal shows how she met it.

"My fit of despair was soon over," she writes bravely. "It seemed so cowardly to run away before the battle was over that I couldn't do it. So I said firmly, 'There is work for me, and I'll have it,' and went home resolved to take Fate by the throat, and shake a living out of her."

This is the spirit that conquers, and it is the only spirit that will do it. The way you meet your hard place shows your mettle. The finest thing anybody can do its to "grow bright-eyed and resolute," like the teamster's plucky horses, at the sight of obstacles.—Selected.

The Little Ones

SYMPATHY.

A plump little girl and a thin little bird

Were out in the meadow together. "How cold that poor little bird must be Without any clothes, like mine," said she,

"Although it is sunshiny weather." "A nice little girl, is that," said he; "But O, how cold she must be! For see, She hasn't a single feather!" So each shivered to think of the other poor thing. Although it was sunshiny weather. —M. Johnson.

The Bee.

"Deary me," cried a busy bee, "What curious sights in town we see! "Children who've not tasted honey; "Big folks selling flowers for money;" "Deary me!" cried the busy bee, "The country is the place for me."

A child and a bee met in a meadow. The child was just reaching out to pick a flower when the bee flew in ahead of him. The child was vexed. He was afraid to gather the flower now lest the bee should sting him. "Ho, Mr. Good-For-Nothing," said he. "What a nuisance you are."

Now at this the bee was vexed, and I don't blame him—do you? "Little fat boy," he retorted, "you don't know what you're talking about; I'm quite as much good as you are."

"I don't believe it," said the boy. "Go ask the flower," said the bee as he staggered forth laden with his bags of honey.

So the boy asked the flower. "Yes indeed," said the flower, "the good bee carries pollen food for my baby seeds from the very best flower market over the meadow, and that is more than you do."

"Pooh, that's nothing much," said the child.

"Little rude boy," retorted the flower, "you don't know what you're talking about. Go ask the dairyman whether the bee is good for as much as you are."

So the boy ran over the field until he came to the barn where the dairyman was milking the cows, and he asked the dairyman whether 'twas true that Mr. Bee was good for as much as he.

"Little silly boy," said the dairyman, "you do nothing but run about and play all day. As for Mr. Bee he is a fine little worker and lays up a store of honey each summer which brings a fair price in the market. To be sure he is good for as much as you."

"I can't believe that," said the boy. "Well, go ask the artist," said the dairyman.

The artist sat on a camp stool in the garden. He was painting a spray of apple blossoms. Birds, bees, and butterflies fluttered on the canvas almost as real as though they were alive.

At the boy's question the artist threw back his head and laughed. "Why," said he, "little restless boy, I find the bee quite as good a model as you, and I do not have to bribe him

SPECIAL OFFERS

Special Offer No. 1.

The Great Magazine Bargain of the year. A saving of 40 per cent on the publishers' prices.

Review of Reviews.....	\$3.00
Woman's Home Companion.....	1.00
Success Magazine.....	1.00
The Kansas Farmer.....	1.00
Regular price.....	\$6.00

Our Price \$3.75

Special Offer No. 2.

Another great offer which includes Country Life in America, the most beautiful magazine published.

Country Life in America.....	\$4.00
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McClure's Magazine.....	1.00
The Kansas Farmer.....	1.00
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Our Price \$4.75

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Weekly Inter-Ocean.....	\$1.00
National Home Journal.....	1.00
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Kansas Farmer.....	1.00
Regular price.....	\$3.50

Our Price \$1.75

Special Offer No. 4.

Campbell's Manual Soil Culture.....	\$2.50
Kansas Farmer.....	1.00
Regular price.....	\$3.50

Our Price \$2.50

Special Offer No. 5.

Metropolitan Magazine.....	\$1.50
Reliable Poultry Journal.....	.50
Weekly Capital.....	.25
Kansas Farmer.....	1.00
Regular price.....	\$3.25

Our Price \$2.00

Special Offer No. 6.

Review of Reviews.....	\$3.00
Success Magazine.....	1.00
Kansas Farmer.....	1.00
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Vick's Magazine.....	\$.50
Green's Fruit Grower.....	.50
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Regular price.....	\$2.00

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Special Offer No. 8.

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Kansas Farmer.....	1.00
Regular price.....	\$6.00

Our Price \$3.75

Special Offer No. 9.

To any old subscriber, who renews his subscription before January 1, 1908, and sends one new subscriber and \$2.00 to pay for same, we will send free, the following:

Farm News Magazine.....	1 year
National Home Journal.....	1 year
Comopolitan Magazine.....	3 months

Special Offer on Dailies.

The Kansas Farmer one year and any one of the following dailies for the price of the daily alone:

Topeka Daily Capital.....	\$4.00	Kansas City Daily Star and Times.....	\$5.50
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Special Offer on Weeklies.

The Kansas Farmer one year and any one of the following weeklies for the price named below:

Breeders Gazette.....	\$2.00	Inter-Ocean.....	1.25
Scientific American.....	4.00	Western Swine Breeder.....	1.00
The Commoner.....	1.60	American Swine Herd.....	1.00
Hoard's Dairyman.....	1.60		

A Big Offer for Only \$1.50.

For only \$1.50 we will send the Kansas Farmer, National Home Journal, and Farm News, each one year, and the Comopolitan Magazine 3 months. All to go to one name and address, except Kansas Farmer. It may be sent to another address; or we will send the whole list free, excepting Kansas Farmer to any old subscriber sending us one new subscriber and \$1.00.

A Book for Everybody.

The Kansas Farmer has just bought a number of the Busy Man's Friend for its subscribers. This is a book of 250 pages of things that every one should know. It is a compendium of Legal and Business Forms. A Fund of Practical Information for Every-day Life. It contains the Busy Man's Code; The Hows of Business; Points of Law and Legal Forms; Digest of Laws; Practical Information for Busy Men; The Busy Man's Digest of Facts; Computations at Sight. The book is illustrated and bound in cloth. Any old subscriber who will send us \$2 for two new subscriptions will receive this book, postpaid, as a present. This offer is good as long as the books last. Order early and get "The Busy Man's Friend" absolutely free.

ADDRESS

**The Kansas Farmer Co.,
TOPEKA, KANS.**

with pennies to get him to sit still. But if you don't believe me ask the Insect-ol-o-gist what is his opinion in the matter."

The Insect-ol-o-gist was a very old white-haired man who sat on the house porch looking through a magnifying glass.

The boy ran to him as fast as his two fat legs could carry him. He had learned that Mr. Bee was good for something now, so he changed his question just a little, "Mr. Insect-ol-o-gist, how much is a bee good for?"

Mr. Insect-ol-o-gist looked over his glasses at the boy. Then he took off his glasses and rubbed them with his red silk handkerchief. Next he cleared his throat, opened his mouth and said a whole lot of queer things in very long grown-up words which the boy could not understand.

"What d'you mean?" said the boy.

The Insect-ol-o-gist smiled. He laid down his glasses and lifted him upon his knee. "Dear little boy," he said, "I have spent my whole life studying about bugs and flies and worms and bees, and so I ought to know something about them. The longer I study the more wonderful and beautiful they seem to me and I feel sure that in the sight of God who made them, they are good for just as much as you and me."

—Scattered Seeds.

Club Department

Officers of the State Federation of Women's Clubs.

Vice-President.....Mrs. Eustace H. Brown, Olathe
 President.....Mrs. C. H. Trott, Junction City
 Rec. Secretary.....Mrs. F. B. Wheeler, Pittsburg
 Cor. Secretary.....Mrs. Charles C. Shoales, Olathe
 Treasurer.....Mrs. C. W. Landis, Osborne
 Auditor.....Mrs. M. S. Munson, Eldorado
 General Secretary.....Mrs. C. C. Goddard, Leavenworth
 General Director.....Mrs. W. A. Johnson, Topeka

Our Club Roll

Excelsior Club (1902).....Potwin, Butler Co.
 Women's Literary Club (1903) Osborne, Osborne Co.
 Women's Club (1902).....Logan, Phillips Co.
 Domestic Science Club (1888).....Osage, Osage Co.
 Ladies' Social Society No. 1, (1888).....
 Minneapolis, Ottawa Co.
 Chautau Club (1902).....Highland Park, Shawnee Co.
 Cultus Club (1902).....Phillipsburg, Phillips Co.
 Literature Club (1904).....Ford, Ford Co.
 Star Valley Women's Club (1902).....Iola, Allen Co.
 West Side Forestry Club (1903).....
 Topeka, Shawnee Co., Route 8.
 Fortnight Club (1903).....Grant Township, Reno Co.
 Progressive Society (1903).....Rosalia, Butler Co.
 Pleasant Hour Club (1899).....
 Wakarusa Township, Douglas Co.
 The Lady Farmer's Institute (1902).....
 Marysville, Marshall Co.
 Women's Country Club.....Anthony, Harper Co.
 Richardson Embroidery Club (1902).....
 Madison, Greenwood Co.
 Prentiss Reading Club (1903) Cawker City, Mitchell Co.
 Cosmos Club.....Russell, Kans.
 The Sunflower Club (1905).....Perry, Jefferson Co.
 Chaldean Club (1904).....Sterling, Rice Co.
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 Cedar Branch (1907).....Lookeba, Okla.
 Y. W. C.Princeton, Franklin Co.
 (All communications for the Club Department should be directed to the Club Department, Kansas Farmer, Topeka, Kans.)

A Girls' Club.

The atmosphere vibrates with the club spirit and of course girls have as good a right to be "tied in bundles" as have their elders. The F. W. C. (Fancy Work Club) of Princeton, Kans., has existed since last June, and, contrary to prophecies galore, continues to live and have its being with increasing interest.

Our number is limited to twelve. Meetings are held every two weeks, from two to five p. m., at homes of members, each home represented taking its turn at entertaining. The officers are president, vice president, secretary, and treasurer. Our program includes song, roll call responded to with quotations, reading minutes of last meeting, treasurer's report, discussion of new and unfinished business, entertainment by recitation, reading, or music by two previously appointed members; all done according to parliamentary rules. At 4.30 light refreshments are served. About an hour and a half of every meeting is given to fancy work. Battenburg has kept fingers busy thus far. We are saving our best pieces for a bazaar to be held some time in the future. We had an ice cream social one evening last summer, and held a "market" one day this winter when we sold home-made pies, cakes, buns,

bread, candies, etc. We have over \$16 in the bank and are talking some of attending the Chautauqua assembly next summer en masse and living two whole weeks in a tent. Our club pins are sterling silver, with the letters "C. B." engraved thereon. These letters represent the spirit of our club—which is a secret. Our youngest club member is twelve years old, our oldest over fifty years young. The last one mentioned is about the only one out of her teens and onlookers would never guess that she was. Perhaps the world at large may hear from the F. W. C. some day, when C. B. shall have progressed to a large and firm basis.

ONE OF THEM.

The Grange a Substitute for Country Club.

If there were a grange in every community there would not be the crying need for rural clubs. Mrs. Kittle J. McCracken, who wrote the following, which was published in the Club Member, was an active member of the Sabeau Club, which was on our roll. Oak Grange made the existence of the club superfluous in that neighborhood, and it was discontinued:

"In its usual silent way the Grange, through its local membership, has accomplished in the year now ended a vast amount of good in the matter of educating and uplifting humanity. A well-defined plan of work for women in the Grange was inaugurated several years ago, and its scope enlarged from time to time as the needs of the hour demanded; each local grange deciding upon the particular line of work desirous of accomplishment. This work is under the supervision of a committee, the chairman of which must report to the State chairman the line of work carried out, etc. At the annual session of the State Grange the president reports the work accomplished by the local grange. At the last session of the State Grange the report was so encouraging that it was decided to enlarge the sphere of woman's work in the Grange. This will include heretofore unused lines of work and will benefit humanity whether in or out of the Grange. Oak Grange has been dilatory in this matter, having failed to take concerted action. However, something has been accomplished in the way of improvement of school grounds and in school-house decorations, providing and maintaining a Grange library, and what is most essential to the welfare of the Grange, creating a cosy Grange home. A new line of activity in woman's work will be formulated at the January meeting, which will include some charitable work.

"The committee on education may well feel encouraged at the enthusiastic reception of its report as presented at the late session of the State Grange. This committee, heretofore working along general lines, decided to abandon the worn-out routine, and start anew on improved methods, bringing them in closer touch with the home and its environments. The announcement created a genuine revival of interest in this department. Delegates were instructed to make this the guide for future labor."

RENEW QUICK AND GET A PRESENT.

In order to save much expense incident to changing the lists the first of the year; also as an inducement to send early renewals for 1908, we offer, for a limited time only, your choice of the following to all who renew quickly. Order by number:

1. The Busy Man's Friend or Guide to Success; 256 pages containing things that every one should know.
2. Twentieth Century Homes; designs of plans for homes, well illustrated.
3. Poultry Culture or Poultry Gazette, one year.
4. Weekly Capital or Kansas City Weekly Star, one year.
5. Five Hundred Hog Questions, a manual for hog-breeders.

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A Woman's Health

Is a heritage too sacred to be experimented with. For her peculiar and delicate ailments only medicines of known composition and which contain no alcohol, narcotics, or other harmful or habit-forming drugs should be employed. The one medicine which fulfills all these requirements is Dr. Pierce's Favorite Prescription—a remedy with a record of over forty years of cures to recommend it; a remedy, the makers of which print its formula on every bottle-wrapper and attest its completeness and correctness under oath; a remedy devised and adapted to woman's delicate constitution by an educated physician—an experienced specialist in woman's diseases; a remedy, every ingredient of which has received the written endorsement of the most eminent medical writers of all the several schools of practice for the cure of woman's peculiar diseases; a remedy which has more bona-fide cures to its credit than any other sold by druggists for woman's special requirements. It is not given away in the form of "trial bottles" to be experimented with, but is sold at a fair price by all dealers in medicines.

Delicate, weak, nervous women should especially shun the use of alcoholic medicines which, from their stimulating and exhilarating effects may seem, for a time, to do good, but which from the inevitable effects of the alcohol in shrinking up the red corpuscles of the blood are sure to do great and lasting harm in the long run. Besides they beget a craving for stimulants which is most deplorable.

Only invigorating and nerve strengthening effects can follow the use of this famous medicine for women. It can not possibly do harm in any state or condition of the system. It has been carefully adapted to woman's needs by an experienced physician—a specialist in their diseases. It makes weak women strong and sick women well.

If a woman has bearing down, or dragging pains, low down in the abdomen, or pelvis, backache, frequent headaches, dizzy or fainting spells, is nervous and easily startled, has gnawing feeling in stomach, sees imaginary floating specks, or spots before her eyes, has melancholia, or "blues," or a weakening disagreeable drain from pelvic organs, she can make no mistake by resorting to the use of Dr. Pierce's Favorite Prescription. It will invigorate and tone up the whole system and especially the pelvic organs.

Dr. Pierce's Favorite Prescription is a scientific medicine, carefully devised by an experienced and skillful physician, and adapted to woman's delicate system. It is made of native American medicinal roots and is perfectly harmless in its effects in any condition of the female system.

As a powerful invigorating tonic, "Favorite Prescription" imparts strength to the whole system and to the organs distinctly feminine in particular. For over-worked, "worn-out," run-down, debilitated teachers, milliners, dress-makers, seamstresses, "shop-girls," house-keepers, nursing mothers, and

feeble women generally, Dr. Pierce's Favorite Prescription is the greatest earthly boon, being unequaled as an appetizing cordial and restorative tonic.

As a soothing and strengthening nerve "Favorite Prescription" is unequaled and is invaluable in allaying and subduing nervous excitability, irritability, nervous exhaustion, nervous prostration, neuralgia, hysteria, spasms, St. Vitus's dance, and other distressing, nervous symptoms commonly attendant upon functional and organic disease of the uterus. It induces refreshing sleep and relieves mental anxiety and despondency.

No woman suffering from any of the above symptoms can afford to accept any secret nostrum or medicine of unknown composition, as a substitute for a medicine like Dr. Pierce's Favorite Prescription, which is of known composition and has a record of over forty years of cures and sells more largely to-day than ever before. Its makers withhold no secrets from their patients, believing open publicity to be the very best guaranty of merit.

Dr. Pierce invites all suffering women to consult him by letter free of charge. All letters of consultation are held as strictly private and sacredly confidential and all answers are returned in plain, sealed envelopes. Address: Dr. R. V. Pierce, Invalids' Hotel and Surgical Institute, Buffalo, N. Y.

Dr. Pierce's Pleasant Pellets cure constipation. Constipation is the cause of many diseases. Cure the cause and you cure the disease. One "Pellet" is a gentle laxative, and two a mild cathartic. Druggists sell them, and nothing is "just as good." They are the original Little Liver Pills first put up by old Dr. Pierce over 40 years ago. Much imitated, but never equaled. They are tiny sugar-coated granules—easy to take as candy.

Dr. Pierce's great thousand-page illustrated Common Sense Medical Adviser will be sent free, paper-bound, for 21 one-cent stamps, or cloth-bound for 31 stamps. Address Dr. Pierce as above.

The Combination of the Year



The Kansas Farmer, one year.....\$1.00
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Regular Price... \$6.00

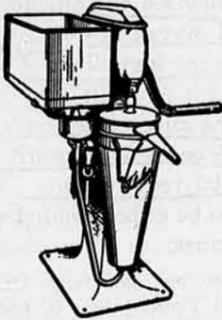
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It's your business and if you don't attend to it, who will? You cannot afford to keep cows for fun. That isn't business, and, furthermore, it isn't necessary. There is money in cow keeping if you go at it right, and besides there is more fun in going at it right than there is in staying wrong.



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If three good physicians should pronounce your case hopeless. If they should decide that you could not live longer than six weeks. And if you should get well, after using only \$12.00 worth of Dr. Miles' Heart Cure and Nervine, what would you advise a friend in like condition to do?

"I have to thank you for saving my wife's life two years ago. We had continued with the doctor until the third doctor, like the two previous ones, said that nothing could be done for her; that she had better be taken home from the hospital to quietly wait her time, which would not be over 6 weeks at the most. I brought her home, and then I thought probably Dr. Miles' Heart Cure and Nervine might help her, so I got a bottle of each and some Nerve and Liver Pills and commenced to give them to her. We soon seen an improvement, and encouraged by this we continued giving the medicine. We gave her eleven bottles in all of the medicine. She takes it occasionally now if she feels the need. I am in the ministry, and have been for 44 years."

REV. P. MILLIGAN,
Genda Springs, Kans.

Dr. Miles' Heart Cure is sold by your druggist, who will guarantee that the first bottle will benefit. If it fails he will refund your money.

Miles Medical Co., Elkhart, Ind

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Opposite Union Depot. Everything first-class Cafe in connection. Cars for the Stock Yards, the up town business and residence parts of the city and for Kansas City, Kansas, pass the door. Solid comfort at moderate prices. A trial will please you.

When writing advertisers please mention this paper.

Dairy Interests

How to Care for a Cow During Calving Time.

PROFESSOR OSCAR ERF.

In the summer the cow should be put in a cool stall and during fly time it is quite essential that it should be somewhat dark to prevent the flies annoying the animal. In winter a calving cow will do best in a light and warm, comfortable box stall, free from draft. It is also well to blanket her before the calf is dropped and to keep her blanketed until she has regained her normal condition. A number of bags, sowed together for a blanket is well enough if nothing better can be obtained. In winter give her plenty of feed of a loosening nature and all the water she will drink. The water should be luke warm, especially so until 3 or 4 days after calving. Due precautions should be taken that the afterbirth should be removed within 24 to 48 hours, as the retention of the afterbirth is usually a serious loss in the milk yield and frequently lowers it for the entire milking period. If the retention of the afterbirth is two great a competent veterinarian should be called to remove the same. There are some medicines upon the market which assist naturally in removing the afterbirth. Where a box stall is kept for calving cows and a number have calved in it, all bedding should be removed after each birth and the floors and sides thoroughly cleaned and disinfected with a solution of carbolic acid or corrosive sublimate. Unless the cows milk is abnormally rich in butter-fat, so that it will scour the calf, it is preferred to have the calf stay with the cow a few days. Colostrum or the first milk is needed as the first food for the calf.

It is not difficult to teach the calf to drink, even when it has been with the cow for a week, if it is allowed to get quite hungry before the first milk is offered.

There is a diversity of opinion as to whether the udder should be milked dry immediately after the cow parturates or whether the bulk of the milk should remain in her udder to prevent milk fever. We have had experiences of both instances and we believe it is quite immaterial, provided the cow is in good condition.

Milk fever, however, at the present time is very easy to cure and the extreme precautions that were necessary in the past that would act as a preventive in feeding, need not so seriously be taken into consideration. The cure for milk fever is extremely simple and cheap, and does not have any serious results upon the milk flow afterwards. The writer has had experience with the twenty-five Jersey cows which made the phenomenal record at the Louisiana Purchase Exposition, and of which during the demonstration eighteen had milk fever. All of them were cured without any apparent injury to the animal, by merely pumping air into the udder immediately after the slightest symptoms of milk fever appeared. This point can easily be determined by the appearance of the cow. Just as soon as the cow loses the bright lustre of the eye and becomes somewhat stupid, then a treatment should be applied and in a very short time the animal will be relieved.

If the udder is badly inflamed and of a gargy nature the cow should have a physic and for this, one and one-half pounds of epsom salts to 1,000 pounds live weight, dissolved in warm water, will nearly always produce the desired results. Beside this, hot applications and rubbing is another means of reducing the inflammation. Dip a flannel cloth in water as hot as the hand will bear, wring quite lightly and hold it around the udder. Before the cloth cools dip it again and apply as before. Keep this up as long as possible, at least 30 minutes, and two hours is better. Repeat this operation two or three times a day until the fever is gone. When ever this hot application is discontinued the udder

THE VERY LATEST IN CREAM SEPARATORS

Every one having the milk of two or more cows to care for should not fail to see and examine the new improved DE LAVAL Cream Separators. These new machines embody the very latest improvements in cream separator construction and are the result of the past two years of tests and experiments backed up by our experience of thirty years in the manufacture of separators.

There are ten new styles, ten new capacities and ten new prices. There is a machine for every dairy, from the smallest to the largest and at a price that will fit every pocket.

The DE LAVAL was the original separator and it has always led in every separator invention and improvement. All good features are now bettered and many new and novel ones added, making the DE LAVAL even more superior to imitating machines than in the past.

The new patented DE LAVAL center balanced bowl with its separate spindle is a triumph in separator construction and the whole machine from the patented "anti-splash" sanitary supply can to the base is a lesson in mechanical beauty, simplicity and convenience, operating as smoothly and noiselessly as a watch. Only one tool—a screw driver—is required to set the machine or to entirely remove its parts. The New DE LAVAL sells on its appearance alone, while back of that are those mechanical and skimming qualities that have made the DE LAVAL the world's standard.

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Simply put it in a box where all live stock can have free access to it.

The animal's own appetite will make him eat just the amount to keep him not only free from disease but growing and fattening faster than by any other means. If he doesn't need it he will not eat it—therefore it is the most economical tonic ever made.

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The same is true of all diseases arising from overtaxed digestion or disordered stomach.

It purifies the blood, cleans and tones the stomach and bowels, improves digestion and assimilation and thereby increases the feeding value of every pound of feed on the farm, as well as making your live stock practically immune from disease.

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The price of Taylor's Stock Tonic is \$3.75 per 100 pounds. You would buy it if you thought it would make you money. To satisfy you of its real merit we will send you 50 pounds on 30 days' trial. You don't pay for it unless it does the work. Send us the coupon below.

F. J. TAYLOR CO.
Please ship me a 50-pound sack of your STOCK TONIC which I agree to use at once according to your directions. If satisfactory I will send you \$2.00 for the same. If not satisfactory I will return the empty sack within 30 days and you will balance my account.

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Receivers and Shippers of Grain and Mill Products

Board of Trade Building. KANSAS CITY, KANSAS.

should be rubbed dry by using the hands gently and by applying a little vaseline while rubbing over the sore places of the udder. Another good way it to make a sack covering for the udder and suspend it by straps from the hips. Coarse bran is packed between the udder and sack and kept saturated by pouring water upon the side of the udder. A hole is made in the sack for the teats so that the cow can be milked frequently as should be done in bad cases. Twenty-four to seventy hours of such treatment will frequently save a cow and furthermore increase the milk yield, which will more than pay for the extra work. Colostrum or milk from a fevered udder should not be used until four days after parturition, but if there are secretions from the vagina a longer period is necessary. In some instances milk should not be used for two weeks.

Cornmeal and Oil-Meal or Bran?

Is it a good idea to feed cornmeal and oil-meal together, or would it be best to feed some bran? Oil-meal is \$1.75 per 100 pounds, and bran is \$1.05 per 100 pounds. The milk we are producing has cream enough but appears to be a little thin. It does not have the body to it I would like to see. Have been feeding alfalfa and Kafir-corn fodder. C. F. KINKEAD.

Shawnee County.

Regarding the advisability of feeding cornmeal and oil-meal together, or of feeding bran and corn-meal, considering oil-meal worth \$1.75 per hundred and bran \$1.05 per hundred, there would practically be no difference in the cost of these two feeds, estimated upon their feeding value. At least the difference would be very slight, not more than four to five cents per hundred in favor of the oil-meal.

You also make reference to the fact that the milk that you are producing has plenty of cream but that the cream does not have the body you would like, or in other words, it does not show the richness and present the appearance that you desire. I note that you say you are feeding alfalfa and corn fodder, but you do not mention what kind of meal you are feeding. I take it from the condition of your milk that you are feeding cottonseed-meal.

While there are several reasons for the milk not creaming readily, the two specific reasons are: first, the milk being produced in the latter part of the period of lactation, and second, improper feed. The longer a cow has been in milk the smaller and the harder the fat globules become. Also cows fed on dry feed or receiving much cottonseed-meal will produce a hard fat globule, which does not rise quickly. If you desire your milk to cream readily I would advise you to feed more bran and succulent feeds, such as roots, corn silage, etc.

D. M. WILSON,
State Dairy Commissioner.

The old saying, "there is no sentiment in business," is true, but it is becoming more evident every day that many things which were once considered sentiment are now known to be good business policy. With the New Year, Deere & Company, the great plow manufacturers of Moline, Ill., put in force a pension system by which every employee who has been with them twenty years can retire on a life pension at 65 years of age, drawing monthly a certain per cent of the total wage paid him during the entire length of his service. This pension system is entirely a donation on the part of Deere & Company, as the employees contribute nothing to its support but do have a voice in its management.

Hix—You said your gun would shoot 900 yards.

Dix—I know I did.

Hix—it's marked to shoot only 450 yards.

Dix—I know, but there are two barrels.

THE KANSAS FARMER wants more representatives to take care of its rapidly growing subscription. Will pay good money to the right parties. Write us about this now.

GETTING ALONG IN THE WORLD

We hope you very carefully read our advertisement in the last issue of this journal telling you of the great advantage in climate, soil, products and comfort that you can certainly attain by removing to an extraordinarily mild, pleasant climate like that at Patterson, Benton County, near the Southern boundary of the great State of Washington.

We told you in the former advertisement that Patterson was located in the very mildest climate in the mild State of Washington, and this statement is borne out by the official records of the United States Weather Bureau. The climate, in fact, is so mild that there is no winter to speak of, and three hundred sunshiny days during the year stimulates such a marvelous growth of vegetation that it is a wonder to all who see it. Where you live you are accustomed to a long winter season of inactivity and heavy expense for fuel and the warm clothes demanded by your climate. At Patterson you will be planting your fruit trees, sowing your alfalfa and sowing your crops many weeks before the ground is fit to farm at your present home.

How Much Land Shall I Farm?

This depends on your means and ambition. The profits you will get from farming in a warm climate by irrigation are enormous for each acre, and many fine homes possessing every comfort and even luxury are maintained on a five acre fruit farm, as net profits from \$1,500 to \$4,000 per acre are realized from fruit raising in the fruit producing belt of the State of Washington of which Patterson is in the very center. But there is no reason why you should not have ten acres, twenty acres, or even a hundred acres according to your ambition and the amount of means you can control when you get to Patterson.

Then just to the north and northwest of Patterson are the thousands of acres of wheat lands in the "Horse Heaven" country and farms there range from one hundred and sixty to ten thousand acres. So in coming to Patterson you will be able to choose a farm any size you desire.

When to Come to Patterson.

Just get ready and come whenever you want to, as the Patterson climate is so mild that you can

move there any time of the year. The new low grade Portland and Seattle Railway will be in operation after January 1st, 1908, so that you can go direct to Patterson by Railroad.

The Profits You Will Make.

It probably looks very unreasonable to you to tell you you can make from \$500 to \$4,000 per acre on fruit raising in this part of Washington, but it is literally the fact and can be abundantly substantiated. Now to be candid, have you made \$4,000 this year on the farm you live on with its hundreds of acres? We are pretty certain you have not. Well you have a chance to do that on one acre at Patterson.

Are You Thinking of Your Wife and Kids?

Do you know that on irrigated land profits are so certain and so very great that school houses are close together, that land settles up practically like a village would? And think of living in a balmy, delightful climate like that at Patterson where your wife and children can enjoy the flowers, fruits and the open air life of a mild climate.

How Irrigated Land Rises in Price.

If land rises \$2 to \$5 an acre every year where you live you count it a pretty good result, don't you? Well, in the mild, fruit raising climate, in central Washington, on the Columbia River you may be reasonably certain of an increase in the value of your land of one hundred per cent every year. There are many cases of land rising in value at the rate of \$100 to \$225 an acre every year, that is, if you have a ten acre fruit farm it will increase in value from \$1,000 to \$2,500 every year for a number of years after you buy it. This is what has actually taken place in surrounding districts, already settled and developed and it will certainly take place on these newly irrigated lands at Patterson.

This is the time of the year when you decide where you will go to make your future home. Write us by the next mail and get our pamphlet "Results of Irrigation," giving you maps and full information.

MUTUAL REALTY COMPANY,
304 Pioneer Bldg., - - - Seattle, Wash.

PLYMOUTH ROCKS.

FOR SALE—B. P. R. Royal Blue Strain. Some choice cockerels from \$3 to \$5 each; also some pullets. Write for prices. Mrs. Walter Bond, R. 14, Roseville, Kans.

EVERGREEN POULTRY FARM—Barred Plymouth Rocks exclusively. Cockerels for sale \$1.50 to \$2.50 each. Eggs in season. E. Leighton, Empingham, Kans.

BARRED ROCK cockerels and pullets for sale from high scoring birds \$1.00 and up. Write your wants. Mrs. W. A. Schreier, Argonia, Kans.

CLOSING OUT SALE of Young's pure-bred B. P. Rocks, including all hens, pullets and cockerels, at bargain prices. J. R. Young, Manhattan, Kans.

BARRED PLYMOUTH ROCKS—High-scoring stock for sale at living prices. Score cards with birds. Mrs. Chas. Osborn, Eureka, Kans.

FOR SALE an extra fine lot of B. P. Rock cockerels at \$1 each. D. N. Hill, Lyons, Kans.

FOR SALE—Barred Plymouth Rock cockerels from my prize winners, at reasonable prices. Eggs in season. Peter Reber, Neosho Rapids, Kans.

WHITE ROCK COCKERELS from high-scoring stock \$1.50 each. Mrs. E. E. Williams, Sabetha, Kans.

CHOICE BARRED PLYMOUTH ROCKS a specialty. Also several other varieties. Write your wants. Circulars free. A. H. Duff, Larned, Kans.

WHITE PLYMOUTH ROCKS exclusively; young and old. Stock for sale. J. C. Bostwick, Hoyt, Kans.

FOR SALE.

Pure-bred Barred Plymouth Rock cockerels by prize winning birds, \$1.50, \$2 and \$2.50 each; all same breeding; farm range. A. C. MERRITT, Hillcrest Fruit and Poultry Farm, North Topeka, Kans. Ind. Phone, 4851.

Miller's Famous Barred Plymouth Rocks

If you want a fine cockerel from my prize-winning strain write me at once. I have a fine lot and they won't last long. Prices \$1.50 up. Satisfaction guaranteed. A. H. Miller, Bern, Kans.

White Plymouth Rocks EXCLUSIVELY

Good for Eggs. Good to Eat. Good to Look at.

W. P. Rocks hold the record for egg-laying over every other variety of fowls; eight pullets averaging 200 eggs each in one year. I have bred them exclusively for twelve years and have them scoring 94 to 96%, and as good as can be found anywhere. Eggs only \$2 per 15; \$5 per 45, and 1 prepay expressage to any express office in the United States. Yards at residence, adjoining Washburn College. Address

THOMAS OWEN, Sta. B. Topeka, Kans.

LEGHORNS.

EGGS FOR HATCHING.

S. C. Brown Leghorn eggs for hatching from pure-bred, high-scoring birds, at 75c per sitting of 15 eggs. Special prices on incubator lots. A few cockerels left going at \$1 each. L. H. Hastings, Quincy, Kans.

STANDARD-BRED S. C. Buff Leghorns founded by stock of prize-winners of Chicago and St. Louis World's Fairs, and have taken first wherever shown. Stock for sale; eggs in season from pens scoring 90 to 95. No. 1 pen, \$2.50 for 15; No. 2, \$1.30 for 15. S. Perkins, 801 E. First St., Newton, Kans.

FOR SALE—A limited number of cockerels for sale of the Brown Leghorns, Model Anconas and Rhode Island Reds, all single combed. These are pure-bred and from prize winners. Prices reasonable. A. J. Vaughn, Oak Street Poultry Yards, Garnett, Kans.

FOR SALE—White Leghorn cockerels, very fine birds. Price \$1 and \$1.50. Eggs in season. Mrs. Lena Osborn, R. 3, Emporia, Kans.

R. C. B. LEGHORN cockerels and pullets; also Mammoth Pekin ducks, \$1 each. Eggs in season. Mrs. J. E. Wright, Wilmore, Kans.

ROSE COMB BROWN LEGHORN cockerels \$1. If not satisfactory return at my expense. Frank Dunable, Clay Center, Kans.

WYANDOTTES.

SILVER LACED WYANDOTTES from my prize-winners at reasonable prices. Cockerels scored by Atherton. J. H. Becker, Route 7, Newton, Kans.

WHITE WYANDOTTE hens and pullets 75 cents each. White Holland toms \$2.50, hens \$2. Cockerels all sold. Mrs. E. F. Ney, Bonner Springs, Kans.

FOR SALE—Golden Wyandotte cockerels; also a few M. B. turkeys. Cockerels \$1 and \$1.50. Eggs in season. A. B. Grant, R. 9, Emporia, Kans.

BROWN'S WHITE WYANDOTTES—Ahead of everything; stock for sale; eggs in season. I have the English Fox Terrier dogs. Write me for prices and particulars. J. H. Brown, Clay Center, Kans.

AT PANIC PRICES—50 white Wyandotte cockerels, 10 pairs white Guides, 1 pair W. H. Turkeys, 1 yearling Tom, 10 Indian Runner Drakes, 50 Poland-China hogs. Mrs. L. D. Arnold, Enterprise, Kans.

BLACK SPANISH.

FOR SALE—Whitefaced Black Spanish, Hens \$2 each. Cockerels \$2 each. pullets \$1.50 each. Chas Hobbie, Tipton, Kans.

BUFF ORPINGTONS.

LARGE BUFF ORPINGTONS—The great winter layers. Cockerels for sale, eggs in season, prices reasonable. Mrs. Frank Henning, Route 1, Garnett, Kans.

ORPINGTONS—1,000 to sell to make room. Catalogue free. W. H. Maxwell, 1906 McVicar Avenue, Topeka, Kans.

CHOICE—Buff Orpington and B. P. Rock cockerels. Collie pups and bred bitches. Send for circular. W. B. Williams, Stella, Neb.

BRAHMAS.

LIGHT BRAHMAS—None better east or west. Pens of 4 hens, 1 cockerel, average better than 90 points. \$10 per. Cockerels to head your flocks. Write J. T. Edson, Schaller, Iowa.

Light Brahma Chickens

Choice pure-bred cockerels for sale. Write or call on Chas. Foster & Son, Eldorado, Kans. Route 4

The Poultry Yard

CONDUCTED BY THOMAS OWEN.

Kansas State Poultry Show.

The nineteenth annual meeting of the Kansas State Poultry Association was the largest and most enthusiastic in its history. There were more birds, more exhibits and more visitors than in any previous show. The writer is too busy at present to make a more extended report other than to give the full awards of the show, which will be appreciated by all poultrymen as they are anxious to know the scores of the winners and the names of their owners.

Barred Plymouth Rocks.—D. F. Drinkwater, Cedar Point, Kans., 5 ck, 89%; R. C. Mandler, Cosby, Mo., 2 ckl, 92; 1, 2 pullet, 92 1/2; 2 pen, 183.50. Peter Reber, Neosho Rapids, Kans., 4 hen, 89 1/2. E. Laqua, Pittsburg, Kans., 3 hen, 91. S. W. Blooms, Florence, Kans., 5 ckl, 91 1/2; 1 hen, 92; 5 hen, 91 1/2; 5 ckl, 91 1/2; 4 pen, 183.25. Joe B. Moore, Mexico, Mo., 4 ck, 90; 1, 4 ckl, 92 1/2, 91 1/2; 2 hen, 91 1/2; 3 pul, 92; 1 pen, 183.9. Vespers Poultry Yards, Topeka, Kans., 1 ck, 91 1/2; 5 pen, 182. J. K. Thompson, Topeka, 2, 3 ck, 91 1/2, 91. J. C. Lindmood, Walton, Kans., 4 pul, 92. A. H. Miller, Bern, Kans., 3 ckl, 92; 5 pul, 91 1/2; 3 pen, 183.25.

White Rocks.—S. Shultz, Columbus, Kans., 2 ckl, 93 1/2. Benj. G. R. Ward, Cueda, Kans., 2 ck, 94 1/2; 5 ck, 93; 4, 5 hen, 94, 94; 2 pen, 188.4. J. A. Kaufman, Abilene, Kans., 4 ckl, 93. Mitchell Bros., Valley Falls, Kans., 1 ckl, 94; 2, 5 pul, 95, 94; 3 pen, 188. C. O. Preston, Chillico, Okla., 5 pen, 186 1/2. Mary Noland, Hennessey, Okla., 1, 4 ck, 95, 93 1/2; 3, 5 ckl, 93, 92 1/2; 1, 2, 3 hen, 95, 94, 94; 1, 3, 4 pul, 95, 94 1/2, 94 1/2; 1, 4 pen, 189.7, 186.9.

Buff Rocks.—Frank Myers, Abilene, Kans., 1 hen, 92 1/2; 5 pul, 92 1/2. Geo. H. Garrett, Topeka, Kans., 1 ck, 92 1/2; 2 hen, 92; 3 pen, 184. A. L. Nice, Columbus, Kans., 3, 5 hen, 92, 91 1/2. Fred Vanderschmitt, Leavenworth, Kans., 5 ckl, 92; 4 pen, 182.50. A. J. Waddell, Wichita, Kans., 5 pen, 182. G. H. Gurther, N. Topeka, Kans., 3 ck, 91. J. J. Blakely, Abilene, Kans., 2, 4, 5 ck, 92, 91, 90 1/2; 1, 2, 3, 4 ckl, 92 1/2, 92 1/2, 92 1/2; 4 hen, 91 1/2; 1, 2, 3, 4 pul, 94, 93 1/2, 93, 93; 1, 2 pen, 186, 184.6.

Silver Wyandottes.—Mrs. J. W. Gause, Emporia, 2 ck, 90 1/2; 1, 3 ckl, 93, 91; 3 hen, 81 1/2; 1, 4, 5 pul, 92 1/2, 92, 92; 1, 4 pen, 185.12, 182.50. Hattie Duncan, Dearborn, Mo., 5 ck, 89; 4 hen, 91 1/2. D. A. Chacey, Leavenworth, Kans., 4 ckl, 90 1/2; 3 pul, 92; 5 pen, 181.75. M. B. Cowell, Broughton, Kans., 1, 4 ck, 91, 89; 1, 2 hen, 93, 92; 3 pen, 182.8. Jacob Miller, Wathena, Kans., 2, 5 ckl, 91 1/2, 90 1/2; 2 pul, 92 1/2; 2 pen, 183.2. Elliott Marshall, Leavenworth, 3 ck, 89 1/2.

Golden Wyandottes.—Geo. H. Schelly, Manhattan, Kans., 2 ckl, 90 1/2; 3 hen, 89 1/2; 2, 5 pul, 91 1/2, 90 1/2; 2 pen, 180.75. Mrs. A. B. Grant, Emporia, Kans., 4 ck, 88 1/2; 1 ckl, 92 1/2; 5 hen, 89; 4 pul, 91; 1 pen, 182.8. John Tomson, Silver Lake, Kans., 1, 3 ck, 90 1/2, 89 1/2; 4, 5 ckl, 88 1/2, 86 1/2; 1, 2, 4 hens, 90, 89 1/2, 89 1/2; 3 pul, 91 1/2; 4 pen, 180.3. Chas. McRoberts, Mound City, Mo., 2, 5 ck, 89 1/2, 87 1/2; 3 ckl, 88 1/2; 1 pul, 92 1/2; 3, 5 pen, 180.4, 178.4.

White Wyandottes.—Genette & Genette, Florence, Kans., 2, 3 ck, 92 1/2, 92 1/2; 1 ckl, 94 1/2; 5 pul, 94 1/2; 2 pen, 183.6. Mrs. Z. Y. Yankee, Lone Jack, Mo., 3 ckl, 93 1/2; 2, 5 hen, 95, 94 1/2; 2 pul, 94 1/2; 3 pen, 188.4. G. S. Hamline, Lamar, Mo., 4, 5 ckl, 93 1/2, 93 1/2; 4 hen, 93 1/2; 5 pul, 95, 94 1/2; 4 pen, 188.25. A. E. Day, Winfield, Kans., 5 ck, 91 1/2. Bridgman & York, Pares, City, Mo., 4 ck, 91 1/2; 1 hen, 95 1/2; 1 pul, 96; 5 pen, 187.7. S. G. Whiprecht, Sedalia, Mo., 1 ck, 95; 3 hen, 95; 1 pen, 189.25.

Buff Wyandottes.—H. J. Freeman, Wichita, 2, 3 ck, 89 1/2, 87 1/2; 2, 3 ckl, 89, 87 1/2; 1, 2, 3, 5 hen, 92 1/2, 91 1/2, 91 1/2, 88 1/2; 4, 5 pul, 90 1/2, 90 1/2; 2 pen, 180.75. A. E. Day, Winfield, Kans., 1 ck, 91 1/2; 1 pen, 183.50; 1, 4 ckl, 89 1/2, 87; 4 hen, 90 1/2; 1, 2, 3 pul, 93, 92, 91 1/2.

Partridge Wyandottes.—R. E. Luse, Sabetha, Kans., 2 ckl, 93; 5 pen, 183.7. Robt. J. McHarg, Wichita, Kans., 4 ck, 92. Jno. Anderson, Manhattan, Kans., 4 ck, 92; 4 pul, 93; 4 pen, 184. W. A. Doolittle, Sabetha, Kans., 1, 2, 3 ck, 94 1/2, 94 1/2, 93; 1, 3, ckl, 93 1/2, 92 1/2; 1, 2, 3, 4 hen, 93 1/2, 93, 92 1/2, 91 1/2; 1, 2, 3, 5 pul, 94 1/2, 93 1/2, 93 1/2, 93, 93; 1 pen, 187.50. W. S. Halden, Douglass, Kans., 3 ck, 87 1/2; 3 hen, 90 1/2; 5 pul, 92; 3 pen, 178.50. A. C. Smith, Topeka, Kans., 2 ck, 88 1/2; 4, 5 ckl, 90 1/2, 85; 4 hen, 91 1/2; 2 pen, 181.50.

American Dominiques.—Otis H. Crow, Hutchinson, Kans., 1, 3, 4, 5 hen, 90, 86, 85, 85.

Single Comb Rhode Island Reds.—R. B. Steele, Topeka, Kans., 3 ck, 90 1/2, 87 1/2, 86 1/2; 1, 2, 3, 5 hen, 91 1/2, 89 1/2, 87 1/2, 86 1/2; 1, 3, 5 pul, 93, 91 1/2, 91 1/2; 3, 4 pen, 182.6, 180.8. T. W. Hallett, Chillicothe, Mo., 4 ck, 89 1/2; 4 hen, 87. H. A. Sibley, Lawrence, Kans., 1, 2 ck, 90 1/2, 90 1/2; 5 pen, 180.4. W. R. Munroe, Florence, Kans., 5 ck, 87 1/2. Rick-secker & Lackhart, Kansas City, Kans., 1, 2, 3, 4 ckl, 92 1/2, 92 1/2, 91 1/2, 91 1/2; 2, 3 pul, 92 1/2, 92 1/2; 1, 2 pen, 184.12, 182.9.

Rose Comb Rhode Island Reds.—A. A.

Miller, Platte City, Mo., 1, 2, 3, 4, 5 ckl, 83, 91 1/2, 91, 91, 90 1/2; 1 hen, 91 1/2; 4 pul, 91 1/2; 1 pen, 183 1/2. L. Shamflifer, Douglas, Kans., 2, 5 hen, 88 1/2, 88; 4 pen, 179.7. H. A. Sibley, Lawrence, Kans., 5 pen, 178.9. Frank H. Foster, Topeka, Kans., 3 ck, 87 1/2; 1, 3 pul, 91 1/2, 91 1/2; 3 pen, 181. Wm. R. Monroe, Florence, Kans., 3 hen, 88. Hills & Toal, Cedarvale, Kans., 1 cock 91; 4 hen, 88; 2, 5 pul, 91 1/2, 91; 2 pen, 181.6.

S. C. Brown Leghorns.—H. C. Short, Leavenworth, Kans., 2, 4 ck, 91 1/2, 90; 1 hen, 92 1/2; 4 pen, 186.4. H. P. Swerdfefer, Wichita, Kans., 3 ck, 90 1/2; 1, 4 ckl, 94, 93 1/2; 4 pul, 92 1/2; 1 pen, 187.7. J. B. Housel, Sedalia, Mo., 3, 5 ckl, 94, 93 1/2; 3, 5 pul, 93 1/2, 93 1/2; 3 pen, 187.2. Mr. & Mrs. A. Fleming, Rock Creek, Kans., 5 hen, 93. W. A. Lamb, Manhattan, Kans., 1 ck, 92; 2 ckl, 94; 2, 3, 4 hen, 93 1/2, 93 1/2, 93; 1 pul, 93 1/2; 2 pen, 187.6. T. W. Boutwell, Topeka, 2 pul, 93 1/2; 5 pen, 186.

R. C. Brown Leghorns.—Mrs. Ida Standifer, Reading, Kans., 3 ckl, 92 1/2; 5 hen, 92; 3 pul, 93 1/2; 2 pen, 182.6. Mrs. J. E. Griswell, Tecumseh, Kans., 5 ckl, 92 1/2; 2 pul, 93 1/2; 5 pen, 184.2.

Otis H. Crow, Hutchinson, Kans., 1, 2 ck, 91 1/2, 90; 1, 2 ckl, 93 1/2, 92 1/2; 1, 4, 5 pul, 93 1/2, 93, 92 1/2; 3 pen, 184.50. Mr. & Mrs. A. Fleming, Rock Creek, Kans., 4 ckl, 91 1/2; 3, 4 hen, 92 1/2, 92 1/2; 4 pen, 184.8.

S. C. White Leghorns.—T. W. Mangelsdorf, Atchison, Kans., 4 ck, 92 1/2; A. F. Snodgrass, Purcell, Okla., 4 pen, 187.6; 1 ck, 94. E. Laqua, Pittsburg, Kans., 3 ckl, 94 1/2; 5 hen, 94 1/2; 3 pen, 188.6. Leigh E. Johnson, Waldron, Kans., 2 pul, 95. Rose Poultry Yards, Douglas, Kans., 4 hen, 94 1/2. Alice J. Lamb, Manhattan, Kans., 1 ckl, 95; 1, 3 pul, 96, 95; 1 pen, 189.8. Geo. F. Muller, St. John, Kans., 4 pul, 95; 5 pen, 186.8. C. L. Bickerdike, Sand Creek, Okla., 3 ck, 92 1/2; 2 ckl, 94 1/2; 1 hen, 95; 5 pul, 94 1/2; 2 pen, 189.4. G. E. Freeman, Topeka, Kans., 4 ckl, 93 1/2. O. H. Crow, Hutchinson, Kans., 3 ck, 93; 2, 3 hen, 94 1/2, 94 1/2.

R. C. White Leghorns.—G. S. Randle, Pratt, Kans., 1 ckl, 93 1/2; 2 pul, 94; 2 pen, 186.7. O. H. Crow, Hutchinson, Kans., 1, 2, 4, 5 ck, 92, 91 1/2, 90, 89; 2 ckl, 93 1/2; 1, 2, 4, 5 hen, 93 1/2, 92 1/2, 92 1/2, 92 1/2; 1, 4, 5 pul, 94 1/2, 93 1/2, 93 1/2; 1, 3, 5 pen, 187.5, 186.7, 186.1. Earl Hunzicker, Lawrence, Kans., 3 ck, 91; 4 ckl, 93 1/2; 3 hen, 92 1/2; 4 pen, 186.2.

S. C. Black Leghorns.—O. H. Crow, Hutchinson, Kans., 1, 2, 3 ckl, 93 1/2, 92 1/2, 92 1/2; 2, 3 hen, 94 1/2, 93 1/2; 2 pul, 94 1/2; 1, 2, 4, 5 pen, 187.3, 185.9, 184.8, 182. C. L. Bickerdike, Sand Creek, Okla., 5 ckl, 90 1/2; 1, 4, 5 hen, 94 1/2, 93 1/2, 92 1/2; 1, 3, 4, 5 pul, 94 1/2, 94 1/2, 94 1/2, 94; 3 pen, 184.8.

S. C. Buff Leghorns.—F. J. Krummer, Manchester, Okla., 2 ck, 89; 2, 4 ckl, 92 1/2, 92 1/2; 1 hen, 93 1/2; 2, 4, 5 pul, 93 1/2, 93 1/2, 93 1/2; 3 pen, 185.8. Walker Poultry Co., Chillicothe, Mo., 3, 5 ckl, 92 1/2, 92 1/2; 2, 4 hen, 92, 92; 1, 3 pul, 93 1/2, 93 1/2; 2 pen, 185.4. W. B. Wilson, Ottawa, Kans., 1 ck, 90 1/2; 4, 5 pen, 184, 182. Ben Curtis, Topeka, 5 ck, 86 1/2. Nels Olson, Topeka, 3, 4 ck, 88 1/2, 87 1/2; 1 ckl, 92 1/2.

R. C. Buff Leghorns.—O. H. Crow, Hutchinson, Kans., 1, 2, 3 ckl, 91 1/2, 90 1/2, 90 1/2; 1, 2, 3, 4 hen, 91 1/2, 90 1/2, 90 1/2, 89 1/2; 1, 2, 3, 4 pul, 93 1/2, 91 1/2, 91 1/2, 91 1/2; 1, 2, 3, 4 pen, 185, 182.50, 180, 178.

S. C. Black Minorcas.—F. J. Scherman, Topeka, 3 ckl, 87 1/2; 1, 2, 3, 5 pul, 93, 92, 91 1/2, 90. O. H. Crow, Hutchinson, 4 pul, 90 1/2.

R. C. Black Minorcas.—O. H. Crow, Hutchinson, 3, 4, 5 ckl, 87 1/2, 87, 85; 1, 2, 3, 4 hen, 93, 92 1/2, 88 1/2, 88 1/2; 1, 2, 3, 4, 5 pul, 92, 91 1/2, 91 1/2, 91 1/2, 91 1/2; 2, 3, 4 pen, 179.75, 177.12, 172.50.

White Face Black Spanish.—H. W. Chestnut, Centralia, Kans., 2 ck, 89 1/2; 1, 2, 3 ckl, 93 1/2, 92, 91; 1 hen, 93 1/2; 1, 2, 3, 4, 5 pul, 95 1/2, 94, 93 1/2, 93 1/2, 93 1/2.

K. C. Beck, Nickerson, Kans., 3 ck, 87 1/2; 3 pen, 179.6. O. H. Crow, Hutchinson, 2, 3, 4, 5 hen, 93 1/2, 92 1/2, 91 1/2, 90 1/2.

Light Brahmans.—W. T. Macauley, Wichita, Kans., 1 ck, 92 1/2; 1, 2, 3 ckl, 94, 93 1/2, 92; 3 hen, 93 1/2; 1, 2, 3, 4 pul, 94 1/2, 93 1/2, 93, 93; 1, 2 pen, 187.6, 184.8. Mrs. Mary Felton, Girard, Kans., 5 ckl, 90 1/2; 4 hen, 92 1/2; 5 pen, 181. O. L. Withers, Leavenworth, Kans., 4 ckl, 90 1/2; 1, 2 hen, 94 1/2, 93 1/2; 5 pul, 92 1/2; 3 pen, 183.5. Mrs. J. C. Baughman, Topeka, Kans., 5 hen, 92. Mrs. A. P. Wolverton, Topeka, Kans., 4 pen, 181 1/2.

Dark Brahmans.—Elliot Marshall, Leavenworth, Kans., 3, 4 ck, 87 1/2, 87 1/2; 1, 2, 3, 4 hen, 91 1/2, 89 1/2, 88 1/2, 86 1/2; 1, 2, 3, 4 pul, 93, 92, 91, 91; 2, 3 pen, 179 1/2, 176 1/2.

Buff Cochins.—Frank Morton, King City, Mo., 3 ck, 88 1/2; 1, 2 ckl, 92 1/2, 92; 1, 3 pul, 94 1/2, 93 1/2; 1, 3 hen, 91 1/2, 89 1/2; 1, 4 pen, 185.8, 183. J. E. Baughman, Topeka, Kans., 1, 2, 4 ck, 91 1/2, 89 1/2, 85 1/2; 3, 4 ckl, 91 1/2, 88 1/2; 2, 4 hen, 89 1/2, 88 1/2; 2, 3, 5 pul, 93 1/2, 93 1/2, 93 1/2; 3, 4 ckl, 91 1/2, 88 1/2; 2, 4 hen, 89 1/2, 88 1/2; 2, 3, 5 pul, 93 1/2, 93 1/2; 2, 3 pen, 184, 183.

Otis H. Crow, Hutchinson, Kans., 1, 4 ck, 88 1/2; 4, 5 hen, 91 1/2, 89 1/2; 1 pul, 92; 2, 4 pens, 179 1/2, 174 1/2. W. J. Scott, Nortonville, Kans., 4 ck, 86; 2, 4, 5 ckl, 89 1/2, 88 1/2, 88; 2, 3 hen, 91 1/2, 91 1/2; 2, 3, 4, 5 pul, 90 1/2, 89 1/2, 89 1/2, 88 1/2; 1, 3 pen, 180 1/2, 176.8.

Black Langshans.—G. C. Miller, Lawrence, Kans., 5 ckl, 93 1/2; 4 hen, 94; 2, 5 pul, 95, 94 1/2; 2 pen, 188 1/2. J. W. Holms, Wichita, Kans., 1 ckl, 94 1/2; 3 pul, 94 1/2; 4 pen, 187.4. J. H. M. Palmer, Florence, Kans., 1 ck, 94 1/2; 2, 4 hen, 94 1/2, 94; 2, 3, 4 ckl, 94, 93 1/2, 93 1/2; 1 pen, 188.6. Tucker & Fowler, Topeka, Kans., 2, 3 ck, 92 1/2, 91 1/2. C. W. Leighton, Tecumseh, Kans., 1, 3, 4 pul, 95, 95, 94 1/2. L. E. Myers, Bowling Green, Mo., 3 ck, 92; 1 hen, 94 1/2; 3, 5 pen, 187.6, 186 1/2.

White Langshans.—H. M. Palmer,

GREIDER'S FINE Poultry Catalogue for 1908 is larger and better than ever. Tells all about pure-bred poultry and illustrates 60 varieties. Contains 10 beautiful chromes of leading breeds—pretty enough to frame. Tells of best Louse Killer, how to cure diseases, make money. Only 10c postpaid. Send to-day for a copy. B. H. GREIDER, Rheema, Pa.

RHODE ISLAND REDS. PURE-BRED R. C. Rhode Island Red cockerels at reasonable prices. A. L. Scott, R. 1, Larned, Kans.

FOR SALE—Rose Comb Rhode Island Red cockerels; Duro-Jersey boars; one registered Red Polled bull. I. W. Poulton, Medora, Kans.

BLACK LANGSHANS. PURE BLACK Langshans and Rose Comb Brown Leghorns. One dollar each. Mary McCaul, Elk City, Kans.

BLACK LANGSHANS—Extra fine. Cockerels \$1.50, pullets \$1. Mrs. Geo. W. King, Solomon, Kans.

BLACK LANGSHANS FOR SALE—Fine farmed stock. Also Tolson geese. Write for prices. G. H. Hutley, Route 2, Maple Hill, Kans.

PURE-BRED WHITE LANGSHANS for sale. Hens \$1.25, pullets \$1 each; also a few Silver Spangled Hamburg cockerels. Mrs. John Cooke, Greeley, Kans.

CORNISH INDIANS. FOR SALE—Jumbo strain Cornish Indian. A few cockerels. Eggs in season. L. C. Horst, Newton, Kans.

HAMBURGS. CHOICE COCKERELS—S. Sp. Hamburgs, S. C. Brown and White Leghorns. One extra fine M. B. turkey tom. Write Vira Bailey, Kinsley, Kans.

SCOTCH COLLIES. SCOTCH COLLIES—Pups and young dogs from the best blood in Scotland and America now for sale. All of my brood bitches and stud dogs are registered, well trained and natural workers. Emporia Kennels, Emporia, Kans. W. H. Richards.

Scotch Collies. Fifty-seven Collie puppies just old enough to ship. Place your orders early, so you can get one of the choice ones. Walnut Grove Farm, Emporia, Kans.

TURKEYS. FOR SALE—Mammoth Bronze turkeys for breeding. E. J. Little, Route 8, Holton, Kans.

CANARY BIRDS. IMPORTED HARTZ M

Florence, Kans., 1 ckl. 93%; 1 hen, 93%; 1, 2, 3 pul. 95%, 95, 93.
 Buff Orpingtons.—F. W. Kingsley, Dover, Kans., 4 ckl. 92; 5 pen 183.75.
 H. A. Meldinger, Wathena, Kans., 1 pul. 94%. G. A. Chesnut, Dennison, Kans., 1 ckl. 92%. Boomgaarn's Orpington Yards, Humboldt, Neb., 4 ckl. 93%; 4 hen 92%. Hattie Duncan, Dearborn, Mo., 1 ckl. 93; 3 pen 184.1875.
 Frank Hill, Sabetha, Kans., 2 ck. 91%; 1, 2, 5 hen, 93%, 93, 92%; 2, 3, 5 ckl. 92%, 92%, 91%; 3 pul. 93%; 1, 2 pen, 185.75, 184.875. Wm. Lee Harrell, Platte City, Mo., 4, 5 pul. 93%, 93%; 4 pen 184. B. D. Hungerford, Canton, Kans., 2 pul. 94. W. H. Maxwell, Topeka, Kans., 3 ck. 89%; 2 hen 93%.

S. C. Black Orpingtons.—Boomgaarn's Orpington Yards, Humboldt, Neb., 3 ck. 87%; 1 ckl. 94; 1, 2, 3, 4 hen 92%, 91%, 90%, 89%; 1, 2 pul. 92%, 89%; 1 pen 185.812.

White Orpingtons.—Boomgaarn's Orpington Yards, Humboldt, Neb., 2 ck. 89; 3 ckl. 87%; 1, 2, 3 hen, 91%, 88, 87; 2, 3, 4 pul. 89%, 88%, 88%; 2 pen, 178.812.

Golden Set Bantams.—Daniel Olson, Topeka, Kans., 1 hen 93%.

B. B. R. Game Bantams.—Henry W. Rehkopf, Topeka, Kans., 1 ck. 90; 1, 4 hen 95, 94; 1 pul. 95%; 5 pen 184.25.

Dou R. Doolittle, Sabetha, Kans., 1, 2, 3, 4 ck. 94, 93%, 93%, 92%; 1, 2, 3, 5 ckl. 95, 94, 94, 92%; 2, 3, 4 pul. 95%, 95, 94%; 1, 2, 3 pen, 189.75, 187%, 186.5.

Mrs. M. A. Rees, Emporia, Kans., 4 ckl. 92%; 5 pul. 93; 4 pen 184.625.

Pit Games.—J. W. Bell, Topeka, Kans., 2, 3 ckl.; 3, 4, 5 pul. Lee Bond, Leavenworth, Kans., 1 ck.; 1 ckl.; 1, 2, 3 hen; 1, 2 pul.

Cornish Indian Games.—J. W. Southmayd, Hunter, Okla., 1, 3, 5 ckl. 93%, 91%, 91; 1, 2, 3, 4 hen, 93, 91%, 91%; 2 pul. 93; 1, 3 pen 186, 183. J. F. Bridges, Douglass, Kans., 2 ckl. 93.

Grove Poultry Farm, Chelsea, Okla., 1 ck. 92. K. C. Beck, Nickerson, Kans., 2 ck. 91; 4 ckl. 91%; 1, 3, 4, 5 pul. 94, 92%, 92%, 92%; 2 pen 184.43.

Buff Cochlin Bantams.—Geo. Hell, Topeka, Kans., 5 ckl. 90; 5 pul. 92%. C. S. Hunting, Kansas City, Mo., 5 ck. 88; 2 hen 93%; 4, 5 pen 181.9, 180.7. O. H. & G. S. Wickham, Anthony, Kans., 2, 4 ck. 91%; 91; 3 ckl. 91%; 4, 5 hen, 93%, 93; 1, 2, 4 pul. 93, 93, 92; 2, 3 pen 184.7, 183.7.

Otis Challand, Topeka, Kans., 3 ck. 91%; 1, 2, 3 ckl. 93%, 92, 91; 1 hen 94%; 3 pul. 93; 1 pen 186.6. Chas. Heitman, Topeka, Kans., 3 hen 93%. Tony J. Turner, Sedalia, Mo., 1 ck. 93.

Black Cochlin Bantams.—C. S. Hunting, Kansas City, 1 ck. 93%; 1 ckl. 93%; 1, 2, 3, 4 hen, 94%, 93, 92, 91%; 1, 2, 3 pul. 93, 92, 92; 1 pen 186.6.

Partridge Cochlin Bantams.—Tony J. Turner, Sedalia, Mo., 3 ck. 87; 1, 2 pul. 90%, 88%.

White Cochlin Bantams.—Otis Challand, Topeka, Kans., 2, 5 ckl. 93%, 92; 3 hen 92; 2 pul. 93. C. S. Hunting, Kansas City, 1, 2, 3 ck. 93, 92, 91%; 1, 2, 4 hen 95, 94%, 91%, 91%. Tony J. Turner, Sedalia, Mo., 4 ck. 90; 1, 3, 4 ckl. 94, 93, 92%; 5 hen 90%; 1 pul. 95.

Black Tail Japanese Bantams.—Chas. A. Cabe, Sabetha, Kans., 5 ckl. 90%; 3 hen 93; 3 pul. 94; 3 pen 182.6. Frank Hill, Sabetha, Kans., 1 ck. 93; 1, 2, 3 ckl. 92, 92, 92; 4, 5 hen, 93, 91%; 1, 4 pul. 95, 93; 1, 2, 4 pen 186.7, 183.4, 182.

Hattie Weld Andrews, Greeley, Kans., 4 ckl. 91%; 5 pul. 92%; 5 pen 181.6. Daniel Olson, Topeka, Kans., 1 hen 93%. O. C. Sechrist, Meriden, Kans., 2 ck. 92.

White Japanese Bantams.—Hattie Weld Andrews, Greeley, Kans., 1 ckl. 92%; 1, 2 pul. 92%, 91%; 1 hen 91%.

Mammoth Bronze Turkeys.—Mrs. Alice Curdutt, Mont Serrat, Mo., 1, 4 ckl. 95%, 92%; 2 hen 93%, 3 pul. 89%; 4 pen 183.5. A. F. Gabbert, Barcroft, Kans., 2, 3 ck. 93, 92%; 2 ckl. 93%; 3 hen 92%; 4 pul. 88%; 3 pen 184%. Hattie Duncan, Dearborn, Mo., 1 ck. 94; 1, 4 hen 93%, 92; 3 ckl. 93; 1, 2 pul. 93, 91; 1, 2 pen 187%, 184%.

White Pekin Ducks.—W. S. Binkley, Clay Center, Kans., 1 ckl. 96; 1, 2 hen 95%, 95%; 1, 2 pul. 97%, 96; 1 pen 192%.

Colored Muscovy Ducks.—K. C. Beck, Nickerson, Kans., 1, 2, 3, 4 ck. 94%, 94, 91%, 89%; 1, 2 ckl. 90, 88%; 1, 2, 3 hen 93, 91%, 90%; 1, 2, 3, 4, 5 pul. 92, 91%, 91, 90%, 90; 1, 2 pen, 187, 182%.

Indian Runner Ducks.—Capps & Johnson, Wichita, Kans., 1 ck. 92; 3, 5 ckl. 92%, 90%, 91; 1, 2, 3, 5 hen, 92, 90%, 90%, 90%; 3 pen 183%. J. P. Mathews, Sabetha, Kans., 1, 2, 3 pul. 92, 91%, 91%; 1 pen 186%. Otis H. Crow, Hutchinson, Kans., 2 ck. 90%; 2 ckl. 93; 4 hen 90%; 5 pul. 91; 2, 5 pen 184, 181%.

Rouen Ducks.—K. C. Beck, Nickerson, Kans., 1, 2, 3, 4 ckl. 97, 96, 93%, 92%; 1, 2, 3, 4, 5 pul. 95, 94%, 94, 94, 92%; 1, 2 pen 191%, 190.

Toulouse Geese.—Hattie Duncan, Dearborn, Mo., 2 hen 88; 3 ck. 85%. Brown China Geese.—C. F. Vass, Mullinsville, Kans., 1 ckl. 91; 1, 2 pul. 93%, 92%; 1 pen 184. Otis H. Crow, Hutchinson, Kans., 1 ck. 94%; 1 hen 92%.

African Geese.—K. C. Beck, Nickerson, Kans., 3 ck. 86; 1 ckl. 92; 1, 2 hen 90%, 88%; 1, 2, 3 pul. 92, 90, 89; 1, 2 pen 183%, 175%.

S. C. Spangled Orpingtons.—Boomgaarn's Orpington Yards, Humboldt, Neb., 1 ck.; 1, 2, 3 hen; 3, 4 pul.

S. C. Diamond Jubilee Orpingtons.—Same Exhibitor, 1 ck.; 1, 2, 3 hen.

R. C. Buff Orpingtons.—A. Fleming, Rock Creek, Kans., 1, 2, 3, 4 ckl.; 1, 2, 3, 4 pul.

English Ring Neck Pheasants.—J. W. Prinn, Lawrence, Kans., 1, 2, 3 pair.

Golden Pheasants.—Same Exhibitor, 1 pair.

Capons.—Mrs. A. P. Wolverton, Topeka, Kans., 1 display.

fertile eggs may be of benefit to him as well as many other fanciers and farmers.

I have in several instances, where I shipped eggs, received reports of fifteen chicks from fifteen eggs. One of my customers, who purchased eggs of me last year and came back to me for eggs in February this year bought 106 eggs, which I gathered during the cold weather in February, she received the eggs on February 28 and on the 12th day of March tested the eggs and reported to me six infertile eggs and said they were more than pleased with the results. She hatched 87 chicks from the 100 eggs, and at six weeks old had 85. Since that I can not say as I have not heard, how they have been progressing. Of the many orders which I have sent out I have only had two reports of less than two-thirds hatch, one of those was 50 eggs, 21 testing infertile, which was doubtless due to rough handling in shipping, and another was 7 chicks from 15 eggs, both orders I refilled free and have heard no farther complaint.

I have set over 200 eggs testing out less than 4 per cent infertile. On January 3, I set a White Plymouth Rock hen in the house on 13 eggs, one egg was broken in the nest and 12 chicks hatched. Now as to the cause of them being so remarkable in hatching, I think is largely due to the housing and feeding. My coop consists of boards, run up and down, so you see it is not extremely warm, but when the birds are in and the door closed it is very comfortable. I feed a bran mash, in morning, at noon oats or Kafir-corn strewn in litter, in the afternoon all the green vegetables they will eat and at night corn. I keep plenty of fresh water and grit before them all the time and feed meat or green cut bone once or twice a week. This I feed sparingly as I think this a great injury to eggs wanted for hatching. Too much meat makes the shells tough and hard for the little chicks to break, causing many to die in shell, while cut bone has a tendency toward leg weakness in the offspring. I always get eggs all winter when other people are getting none. I always let my chickens out when the sun is shining and ground dry, no matter how cold, but never under any circumstances when the ground is muddy and cold, or covered with snow, as cold wet feet have a great deal to do with the production of eggs as I have found in a great many experiments.

Early with Chickens.

"My fowls pay better than my cows." This was the remark made by a farmer to the writer a few days ago, and though startling, may be accepted as generally true, provided the fowls are given the same careful attention as the cows. Success or non-success depends upon the degree of intelligence and care brought to bear upon the management.

"Every farmer should have his breeding pen of selected layers from which he obtains his eggs for incubation; only in this way can he hope to breed birds that will give him satisfactory results as layers. The common prac-

Let My 50 Years Success Start You Right for Poultry Profits

Whether you are an expert Poultry Raiser, or a Beginner, it will pay you, especially this year, to write me a postal for my New Free 1908 Chatham Incubator and Brooder Book on Poultry Science.

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If you are an Expert, set a Chatham beside any other incubator in the world and prove at my risk for 84 days on 3 hatches that Chathams beat the rest.

If you are a Beginner, just hold off a day or two until you get my low factory prices direct to you—freight prepaid—and read my 1908 Book before you buy. Write a postal to me personally, now, to get it.

Learn all about our two immense factories—our new improvements and our ways of testing every machine at our own experimental station.

When a Chatham Incubator or Brooder leaves our factory to go to you it carries 50 years of successful experience with it and is an assurance of your success.

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It tells you how our \$500,000 invested in the incubator manufacturing business is really an investment back of every one of our thousands of customers to make them Successful Poultry Raisers from the time they start with Chathams.

Write me personally, today, for my New Book. Manson Campbell, Pres., The Manson Campbell Co., Ltd. 143 Wesson Ave., Detroit, Mich. Dept. 38 Kansas City, Mo.; Peabody, Mass.; Nashville, Tenn.; Hartford, Conn. We have 24 Branch Houses and Make Prompt Shipments.

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And let him help you in raising chickens? He doesn't know it all, but his famous

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built on experience, not theory, and absolutely automatic, is giving satisfaction to more than 100,000 users. It will save you money. It is sent on

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M. M. JOHNSON, CLAY CENTER, NEBRASKA



Mrs. Rudder Tells How Women CAN MAKE FROM \$30 TO \$50 A MONTH WITH QUEEN INCUBATORS

One of the strong points in Queen Incubators is the fact they have such an army of women users.

This is accounted for because as Mrs. Rudder says, "they are so easy to operate and regulate."

That's the secret of their great success as money-makers. Being easy to operate means they do not require much watching—means they practically run themselves—means they maintain proper temperature and consequently bring off more, stronger and bigger chicks, which grow into profit in the shortest time.

In a letter the other day Mrs. Rudder wrote: "If women (and men, too) only knew the money-making possibilities of Queen Incubators, you couldn't supply the demand. It's easy to make from \$30 to \$50 a month from a \$12.00 Queen Incubator. From five hatches we have 573 chickens. It hatched much better than our hens. No more hen hatching for us. We are delighted with our Queen; it is so easy to operate and regulate. Your personal assistance is certainly valuable."

Any woman can do as well as Mrs. Rudder, if she gets a Queen. Our Big Free 100-page Queen Book contains many such letters telling how men, women, boys and girls, are making big money with Queens.

Gives our low prices, freight fully prepaid, from \$7.50 to \$19.50 for incubators & brooders, from 60 egg or chick capacity up to 340. Three months' trial with 5 years' guarantee. Send for free Book.

QUEEN INCUBATOR CO., Box 28, Lincoln, Neb.



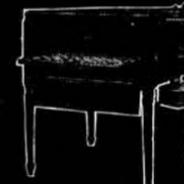

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Invented by an experienced poultryman. Guaranteed to please. We give you a whole season to try it. So simple it can't get out of order. Perfect ventilation. Accurate self-regulator. No moisture needed. Sold direct

FROM FACTORY TO USER

The WALLACE BROODER is just as well made as the incubator. Sold on the same kind of guarantee. No trouble to raise chicks in it. Two compartments. Fresh air supplied constantly. Send for free catalog.

Wallace Incubator Co., Box 36, St. Joseph, Mo.

The Townsend Automatic Trap Nest

Awarded first premium Kansas State Fair, 1906-07. Invaluable to poultry raisers. "The hen, on going in, closes the gate behind her, shutting out all other fowls. At any time she wants out for food or exercise, she can easily release herself. By simply lowering a latch, it is converted into a "Trap Nest" that is absolutely reliable. These nests are manufactured under our own patent. Write us for information and testimonials from users. AGENTS WANTED. Address

P. G. TOWNSEND & CO., 629 E. 6th, Hutchinson, Kans.

FOR OUR 100 EGG HATCHING WONDER

\$7.85

A substantial practical incubator, 28 inches long, 21 inches wide, 14 inches high. Triple walls, hot water heat, aluminum coated tank, automatic regulator, nursery. With brooder \$11.45. To points west of Rockies, incubator \$9.85; with brooder, \$14.70. Order today. Money refunded if not as represented. 80-page catalogue free. Established 1867.

DELIVERED

GEO. KETTEL CO., Quincy, Ill.

125 Egg Incubator and Brooder Both \$10

If ordered together we send both for \$10 and pay freight. Hot water, copper tanks, double walls, double glass doors. Our free catalog describes them.

Wisconsin Incubator Co., Box 17, Racine, Wis.



Some men never will toe the line until they feel the heel.

Infertility of Eggs.

MRS. LIZZIE B. GRIFFITH, LYONS COUNTY.

In THE KANSAS FARMER of May 23 is a piece written by an experienced and well known poultry-breeder. I am a breeder of the same kind of poultry and think perhaps my experience in feeding, housing, and breeding for

BIGGER POULTRY PROFITS

Our new 128-page Poultry Book teaches the inexperienced and gives the expert many valuable hints. Tells why "SUCCESSFUL" INCUBATORS AND BROODERS are best. Offers 14 varieties of fine birds and eggs at low prices. Catalogue free. Booklet on "Proper Care of Chickens, Ducks, Geese and Turkeys," 10 cents. Poultry paper 1 year 10 cents.

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Hatch Chickens by Steam with the EXCELSIOR INCUBATOR OR WOODEN HEN

Simple, perfect, self-regulating. Hatch every fertile egg. Lowest priced first-class hatches made.

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**MELLENBRUCH'S
DUROC BRED
SOWS
AT AUCTION,
Hiawatha, Kans., Friday, Jan. 24**

The sale will be held under cover and breeders will be entertained at the Hiawatha Hotel. My offering of bred sows on the above date will number 35 head and will consist of 25 nice, well grown out spring gilts and 7 tried sows and 3 fall yearling gilts. The spring gilts are mostly by Whalebone, he by American Wonder and he by Pilot Wonder. The three fall yearlings are of different breeding but well bred. Six of the spring gilts are by Hunt's Model, and the tried sows represent such noted families of Durocs as Crimson Wonder, Tip Nop Notcher, and Kant Be Beat. Almost the entire offering is safe in service to two great young males, one by Monarch and the other by Golden Rule. Catalogues now ready. A postal card brings one. Address

J. H. Mellenbruch, Morrill, Kans.

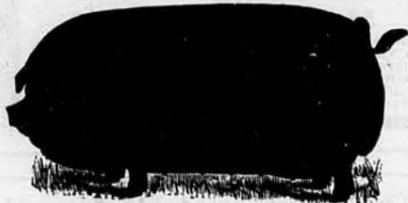
Auctioneers: Col. Judd McGowen, Col. C. H. Merion. J. W. Johnson, Fieldman.

**FIRST QUALITY
DUROCS**

At Auction, Tues., Jan. 21

If you are a breeder of Duroc-Jerseys of course you want our catalogue of bred sows to be sold on the farm January 21, 1908, at

Marysville, Kansas,



A FEW ATTRACTIONS ARE:

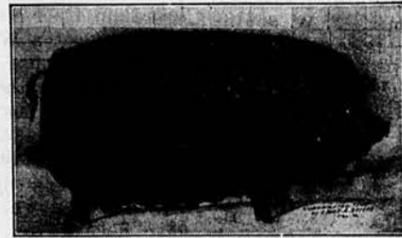
Seven sired by First Quality, sell bred to Model Topnotcher.
Three sired by Nebraska Wonder, sell bred to First Quality.
Six sired by Nebraska Wonder, sell bred to Model Topnotcher.
Three sired by Cook's Improver, sell bred to Model Topnotcher.
Six sired by Cook's Improver, sell bred to Chief Crimson.
Don't forget the place, the date or the opportunity.
Send bids to J. W. Johnson in our care.
Auctioneers: Col. Judd McGowan, Col. L. R. Brady.

**JAMES L. COOK,
Marysville, Kansas.**

**KERR'S
SPLENDID DUROC
OFFERING**

At the farm 4 miles south of
Sabetha, Kans., Wednesday, Jan. 22

Sale will be held in the new sale pavilion at the farm where all will be made comfortable. Thirty-five head of bred sows have been catalogued for this sale and they are choice throughout. Eleven are nice, smooth fall yearlings, eighteen choice spring gilts and six are tried sows that complete the number offered. Most of the fall yearlings were sired by Leader, he by Tom Watson and a few were by Crimson Wonder 2d, he by old



Crimson Wonder. The spring gilts were sired by Lincoln Chief by Ohio Chief and some by Fairview Chief, he by Kant Be Beat, and two dandy good ones by II Gold Finch. Fifteen are bred to Lincoln Chief, twelve to Golder, the great young male sired by Golden Rule. The balance are safe to Leader. Catalogues ready. Address

Geo. Kerr, .. Sabetha, Kansas

Auctioneers: Col. Judd McGowen, Col. Wm. Speaks, Col. D. D. Wickens. J. W. Johnson, Fieldman.

Remember the J. B. Davis' sale at Fairview, Kans., the day following.

**ANNUAL BRED
SOW SALE**

Thursday, January 23

Will occur my regular Duroc-Jersey bred sow sale at my farm adjoining town. I will sell 40 head as follows:

Thirteen fall yearling gilts, mostly by Crimson Challenger, a grandson of Duroc Challenger on his sire's side and Crimson Wonder on the dam's side. Also a few of them by a grandson of Ohio Chief.

Nine tried sows in the prime of their usefulness.

Twenty spring gilts of early farrow mostly sired by Crimson Challenger. A major portion of the offering will be bred to Fairview Chief, who is one of the great sons of old Kant Be Beat. About seven head will be bred to Monarch, the great Orion and Protection bred boar. The tried sows are selections from my herd that are proven profitable brood sows.

Catalogues are now ready to mail. A postal will bring one by return mail.

Auctioneers: Col. Judd McGowen, Col. C. H. Merion. J. W. Johnson, Fieldman.

**J. B. DAVIS,
Fairview, Kansas.**

tise of taking the eggs indiscriminately from the general flock is subversive of any possibility of improvement. Like begets like, and when eggs are gathered from the good, bad and indifferent layers alike, and incubated, the progeny will be good, bad and indifferent, with a large preponderance of the last sorts.

"The precocious, prolific winter layers should have marking rings put on their legs or holes punched in the web of the foot, and be reserved as the occupants of the breeding pen for the next season. This breeding pen need not be established till the advent of the new year, and need not be maintained a day beyond the time when the last eggs are required for incubation; but it is a necessity on any farm where the fowls are regarded as on a footing with the other stock as payers of their due share of the rent. For early hatching, the best place is an outhouse or shed, and the nests should always be placed out of the way of rats. A packing box is exceedingly convenient and cheap, but the nest may be made upon the ground where there is no vermin. At the beginning of this season, too many eggs should not be put under the hens; frosty nights and keen winds will damage those not adequately covered. Set half a dozen hens at the same time; test the eggs on the eighth day, removing all that are unfertile and addled, and making up the proper number from other nests. In this way it may be possible to reduce the number of nests to five, and one of the hens may be turned out into the yard again to lay. It is advisable to dust the hens, as well as the nests, with powdered brimstone or insect powder; it prevents the multiplication of insect pests, and thus renders the hens more comfortable while incubating. When hatching day arrives, the hens should be touched as little as possible, but the next morning the hens should be lifted from their nests and put in a coop to dust themselves and be fed and watered, the strong chicks put together, and those that are still weak, put again in the nest to a hen, as well as any eggs that have not hatched. The hens should then be cooped on dry earth or short grass, with the front to the south, and the chicks given them."

The above, from an exchange, contains some excellent pointers. We should prefer, however, to have both hens and nests free from vermin before setting; and also to rid the premises of rats so there could be no danger from this source. This rat nuisance seems to us a wholly unnecessary one unless they are extensive old buildings and great accumulation of old rubbish that it is next to impossible to remove. Even in this case, we think by a little persistent work with good rat poisons, they could be exterminated.

An incubator appeals to many in these days. With them, it is easy to steal a march on both lice and rats.

Shepherd & Mullin's Bred-Sow Sale.

(Continued from page 64.) Everything is well grown and well cared for. Catalogues are ready and free for the asking. Col. W. C. Curphey has the selling in charge and everything will be in readiness and those in the market for bred sows should be on hand. Those who can not possibly attend can send bids to either Col. Curphey or J. W. Johnson in care of Shepherd and Mullin at Abilene.

Dorr's Durocs.

Charles Dorr of Osage City, Kans., is starting a card in this issue of THE KANSAS FARMER and is offering for sale forty choice gilts and ten extra spring boars. Some of the gilts will be sold open and part of them will be bred to Kant Be Beat Jr., a good son of Kant Be Beat, and carrying the blood of Improver and Tip Top Notcher on his dams side.

This young stuff is choicely bred and well developed, and Mr. Dorr announces that he will sell them at panic prices if taken soon. Write him for particulars and mention this paper.

The J. B. Davis Bred-Sow Sale

On Thursday, January 23, at their farm one-half mile from Fairview, Kans. The sale will begin at 1.30 p. m. and will be preceded by a free lunch at noon at the farm. This sale is one of a series of sales in the Northern Kansas Duroc circuit, which will include that of J. L. Cook, Marysville, on January 21; George Kerr, Sabetha, on January 22; and John Mellenbruch, Morrill,

on January 24. Mr. Davis's herd is headed by Monarch 16185A, 2295N by O'Ryan 2d, Fairview Chief 32585N by Kant Be Beat and Herrod 63919N by Monarch. The offering consists of thirty-five bred sows and gilts sired by Ohio King 11397A, Fairview Chief 32585, W. L. A.'s Choice Goods 42409, Crimson Challenger 43877, Fairview Colonel 43175, and Monarch. The dams in this herd were sired by Kant Be Beat, Morton's Model, Puckett's Chief, West's Challenger, and other good ones. Mr. Davis is an old-time breeder whose hogs have long been known for their quality in North Central Kansas, and this is one of the best offerings he has ever made. His catalogues are now ready.

E. B. Grant's Shorthorns.

E. B. Grant of Emporia, Kans., is changing his card in this issue of THE KANSAS FARMER and is offering for sale at rock-bottom prices some extra choice young bulls from 6 to 18 months old. These are by his straight Scotch bull Lackland of Orange, and out of heavy milking dams from such families as young Mary and Rose of Sharon. Mr. Grant's farm, Westlawn, is only 1 1/2 miles from Emporia and visitors telephoning him will be called for and returned to the depot. Here is an opportunity to buy a good young bull at right prices.

Write Mr. Grant about these or call and inspect them at once, for they won't last long.

Barteldes Seed Catalogue.

We are in receipt of the Barteldes Seed Company's catalogue—one of the gems of the trade. This old seed house is located at Lawrence, Kans., and is well rooted in the confidence of the Western trade. This is a 100-page booklet, beautifully illustrated, and chock full of the things you want to know. It is for everybody. "Western Seeds for Western Planters" is the principle upon which this great seed house has built up its splendid success. They are helping others while helping themselves. Write for this catalogue and you will thank us for calling your attention to it. Read about their Kansas grown alfalfa seed on page 8 of catalogue. It is worth dollars to you. Here is what Secretary Coburn thinks: "The Barteldes Seed Company, Lawrence, Kans. My Dear Sirs:—I have to thank you for a copy of your handsome catalogue for 1908. It is certainly a credit to your enterprise and to Kansas. Surely there is no good reason why Kansas should go outside their own State to purchase the seeds they use, and it is very gratifying to know that we have such houses as yours, so well equipped to supply our people with what they need in your line. Very truly yours, 'F. D. COBURN.'"

More Poultry Money.

The Sure Hatch Incubator Company has been compelled to get out another edition of the book on "Poultry Profits" to meet the many calls for free copies that keep coming in from people all over the United States. This book contains the experiences of hundreds of the most successful poultry raisers in the country, together with a great deal of practical information from the experts of the "Sure Hatch" company. The many pictures scattered through its pages add greatly to the interest of the book. It tells how to get best results from the use of the incubator. How to build chicken houses. How to feed and care for chickens. How to destroy vermin, etc. It tells the secrets of poultry raisers' success. In fact, it is a complete poultry raiser's guide, adapted to the needs of the beginner as well as the one who has had considerable experience. The Sure Hatch Incubator Company has gone to great expense in the production of this book. Each of our readers should write for a copy of "Poultry Profits."

The Sure Hatch Incubator Co., Box 42, Fremont, Neb., or Dept. 42, Indianapolis, Ind., is the largest incubator concern in this country and its "Sure Hatch" Incubators are wonderfully successful. They are built of California redwood and fitted with the most scientific hot water heating system made. Prices and full information regarding them are included in the "Poultry Profits" book.

Lower-Priced Separators.

There is no question but that there has been among dairymen a crying need for a high-grade separator which could be sold at a lower price. Everybody wants a cream-separator but many have felt that they could not afford to pay the high prices demanded. It remains for a Chicago separator manufacturer to meet this demand, and to place a separator of the first class on the market at a price which is within reach of even the smallest cow-owner. We refer to the Davis Cream Separator Co., of Chicago.

The high price at which separators have been sold has been due, not to the expense of manufacturing, but to the costly plan of selling. Here is where the Davis people have found opportunity to make their great cut in price. They have not cheapened the material or reduced the capacity, or an inferior machine; but they have adopted the plan of selling direct from their factory, cutting off all State agents, jobbers and dealers' commissions and expenses. They have found that by pursuing this policy they are able to sell direct to users their simple Davis separator at a price but little more than half what other standard machines are selling for. And it is one of the easiest running, cleanest skimming, easiest cleaned machines on the market. We believe that an investigation, both as to quality and price will prove what we have said to be true. The way to begin is to write to the Davis Cream Separator Co., 54 O. No. Clinton St., Chicago, for their catalogues. Not necessary to write a long letter, a postal will do. Just address as above and say: "Send me your catalogue No. 125." It will come promptly.

J. G. PEPPARD BUYS AND SELLS FIELD AND GRASS SEEDS

MILLET, CANE, KAFFIR, POPCORN, SEED CORN, ALFALFA, TIMOTHY, CLOVER AND ALL KINDS OF

1101 to 117 West 8th, Near Santa Fe St., KANSAS CITY, MO.

BEST FOR THE WEST SEEDS KANSAS GROWN ALFALFA—Plant the seeds best adapted to your soil. The Missouri Seed Co. have made a study of the kinds of seeds best adapted to the West and Southwest. Strongest vitality. They produce large crops. Write for FREE Catalogue, Field, Vegetable and Flower Seeds, Garden Tools and Poultry Supplies. Deal with a house of established reliability. MISSOURI SEED COMPANY. 434 St. Louis Ave., Kansas City, Mo.

YOU WANT PROFITS And can positively get them by using Hatch-All Incubators and Brooders TO LAY FOR MARKET You can make ten times the price of one of our machines in one season, and the incubator will be ready next year to do the same. MATCH-ALL is the best investment on the market. SIMPLE, NEAT AND STRONG—Will last for years, and each season will find them capable of producing money-making hatches, which are certainly the only kind wanted. We pay freight. Our Big Poultry Book Sent You Free. In it you will find knowledge gleaned from twenty years' experience in the chicken business. It is valuable. SEND LETTER TO DEPT. 10 HEBRON INCUBATOR CO. HEBRON, NEB.

Poultry Advertiser Pleased. L. H. Hastings, Quincy, Ill., writes: "We are well pleased with the services coming through our one-half inch card in THE KANSAS FARMER. We have sold \$65 worth of cockerels since September 1."

Kansas City Grain Market. Kansas City, Mo., Jan. 13, 1908.

The sales of wheat in Kansas City to-day were as follows: Hard Wheat—No. 2, 1 car \$1.04, 2 cars \$1.03 1/2, 5 cars \$1.03, 5 cars \$1.02 1/2, 7 cars \$1.02, 1 car \$1.01 1/2, 16 cars \$1.01, 3 cars \$1.00 1/2, 15 cars \$1; No. 3, 2 cars \$1.01, 2 cars \$1, 6 cars 99 1/2 c, 11 cars 99 c, 3 cars 98 c; No. 4, 1 car \$1, 1 car 99 1/2 c, 2 cars 98 c, 1 car 98 c, 1 car 97 1/2 c, 8 cars 97 c, 1 car 96 1/2 c, 3 cars 96 c, 1 car 95 1/2 c, 5 cars 95 c, 2 cars 94 1/2 c. Soft Wheat—No. 2 red, 1 car \$1.02 1/2, 2 cars \$1.02, nominally \$1.02@1.03; No. 3 red, 1 car \$1.01, 4 cars \$1.00 1/2, 2 cars \$1, nominally 99 c@1.01; No. 4 red, 1 car 99 c, 1 car 98 c, nominally 95@99 c; rejected red, 1 car 95 c, 1 car 92 c. Mixed Wheat—No. 2, 1 car \$1; No. 3, 1 car 99 1/2 c. Durum Wheat—No. 2, 1 car 86 1/2 c.

Receipts of corn were 107 cars; Saturday's inspections were 49 cars. Shipments, 55 cars; a year ago, 58 cars. Prices were 1/2 @ 3/4 c lower. The sales were: No. 2 white, nominally 54@54 1/2 c; No. 3 white, nominally 53 1/2 @ 54 c; No. 2 mixed, 5 cars 53 1/2 c; No. 3 mixed, 3 cars 53 1/2 c, 34 cars 53 c; No. 4 mixed, 2 cars 52 1/2 c; No. 2 yellow, 1 car 54 1/2 c; No. 3 yellow, 3 cars 54 c, 2 cars 53 1/2 c.

Kansas City Live-Stock Markets. Kansas City, Mo., Jan. 13, 1908.

The usual heavy Monday supply of cattle was reported at Chicago to-day, with lower prices, but this did not produce as much of a decline here as might have been expected. Trade last week after Tuesday was very pleasing to sellers, and the week closed with steers 15@25c higher than close of previous week, cows about 10c higher, and stockers and feeders 30@40c higher. The demand from all sources is rapidly broadening, and there are scarcely any traces left in the cattle market of the late panic. On last Thursday steers sold at \$5.60, highest price since early in December. To-day the market ranges from steady to 10c lower on a supply of 14,000 head, which run is somewhat above expectations, even in view of the good close of the market last week. The limited number of cattle on feed in Kansas City territory is believed to be in old hands, who are not easily influenced by price fluctuations, and who now feel reasonably safe as to the outcome of their operations. Top steers to-day sold at \$5.45, bulk of steers at \$4.75@5.25, cows at \$3@4.50, heifers \$3.25@5, bulls \$2.75@4.10, calves 25@50c above a week ago, best veals to-day \$7. Demand for stock and feeding cattle is improved, along with the better outlook on fed stuff, stockers \$3.50@4.50, feeders \$3.75@4.75. Cattle receipts so far this month show a falling off of 25 per cent from same time last year. Hog receipts last week amounted to 132,000 head here, largest on record at Kansas City for one week. The market was sensational only in that prices did not change more than 10c all week, bulk of the hogs for the week \$4.25@4.45. Supply to-day is 12,000 head, market 5c lower, but active, top \$4.35, bulk \$4.20@4.30. The packers are alert buyers at all times, and are now able to finance huge operations. Shipper buyers were hampered last week by the activity of packers, but secured 17,000 hogs during the week. Local range of prices is only 10c under Chicago prices. Sheep and lambs advanced 25@40c last week, although receipts were fairly liberal at 31,000 head, and at present there is no margin between prices here and in the East. Supply is 10,000 to-day, market strong, top lambs at \$7, yearlings \$6.80, wethers worth \$4.50@5.50, ewes \$4.50@5. Fair to good lambs bring \$6.65@6.90, and heavy yearlings around \$5.90. J. A. RICKART.

Valveless Engine The Great Western Engine Has No Valves Take the valves and their connections out of other gasoline engines and what have you left? Nothing but a few simple durable parts same as the Great Western Engine has. It starts without a crank and runs like a clock. Power corresponding to the amount of load is applied at every turn of the shaft. No dead or idle strokes. No waste of fuel. One and one-half to four horse power sizes made Frost Proof or furnished with water tank as ordered. Larger sizes cooled with two gallons of water for each horse power. Furnished with or without trucks. It's a simple, up-to-date, powerful and economical engine. It's the farmers' and shopowners' cheapest and most faithful helper. Write for large free Engine Catalog No. 2221. SMITH MFG. CO., 158 Harrison St., CHICAGO

REGENERATED Swedish Oats Greatest Oat on Earth A "cross-bred" scientific development of the famous Swedish Select. Yields 25 per ct. more than the original. Oats weigh 52 pounds per measured bushel, fat and plump as wheat. Sample free on request. Ask also for 88-Page Catalog of Oats, Corn, Barley, Potatoes, Garden Seeds, etc. L. L. Olds Seed Co. Drawer 38, Clinton, Wis.

CATALOGUE FREE SEEDS Garden, Field and Flower Seeds of All Kinds. Merchants and planters write for special wholesale price list. THE HARDEN SEED CO. Kansas City, Mo.

FREE TO FARMERS By special arrangement with Ratekin's Seed House, of Shenandoah, Iowa, their big 1908 Seed Catalogue, with a sample of "Diamond Joe's Big White" seed corn that made 146 bushels per acre will be mailed free to every reader of this paper who are interested in the crops they grow. This big catalogue tells you how to make the farm and garden pay. It's worth dollars to all who plant or sow. Write for it today and mention this paper. The address is Ratekin's Seed House, Shenandoah, Ia.

AUTOMOBILE FOR SALE A five-passenger, side-entrance, 20 H. P. Touring Car, 1907 Model, slightly used but in good condition. This car is made by one of the best concerns in the country and bears the manufacturers' guaranty. Speed 45 miles per hour and a good hill climber. Address, R. V. McMILLAN, Box 87, Detroit, Mich.

THE ROYAL HOTEL, Lincoln, Neb. Medium size hotel, only American Plan hotel in the city. Recently opened, 1906 and 07.

DUROC-JERSEYS

DUROC-JERSEY

Bred Sow Sale, Tuesday, Feb. 18, '08

JNO. W. JONES & SON, Concordia, Kans.

BLUE VALLEY HERD REGISTERED DUROC-JERSEYS

Breeders of high-class, pure-bred Durocs. Leading strains of Duroc families represented in our herd. All correspondence given immediate attention; and young stock for sale at all times. See us at "American Royal."

WATTS & DUNLAP, Martin City, Mo.

CHOICE REGISTERED Durocs, P. C. and O. I. C. hogs; Shorthorn, Jersey and Galloway cattle; 40 varieties poultry and pet stock at farmers' prices; stamps for catalog. A. Madsen & Sons, Atwood, Kas.

MADURA DUROCS.

The home of Miller's Model by Hunt's Model, and Major Rosefelt, a grandson of Ohio Chief; 100 fancy, growthy pigs; also bred sows and gilts for sale.

FRED J. MILLER, Wakefield, Kans.

OAK GROVE HERD OF DUROCS

Herd headed by Choice Goods H. 36471 by Hunt's Model and Corrector's Model 34381. I have for sale a few choice males of spring and fall farrow that will be priced worth the money.

SHERMAN REEDY, Hanover, Kans.

HILLSIDE DUROCS AND HEREFORDS

Choice boars ready for service. Bred gilts and fall pigs, both sexes. Mc's Pride III, Oom Paul V, and Crimson Knight 62579 in service. 6 good Anxieties bred Hereford bull calves. Prices to correspond with the times. W. A. Wood, Elmdale, Kans.

PEERLESS STOCK FARM

DUROC-JERSEY HOGS FOR SALE. R. G. Sollenberger, Woodston, Kans.

PIGS SHIPPED ON APPROVAL

200 head of Durocs, all ages, representing the blood of Combination, Valley Chief, and a son of Kant-Be-Beat.

T. L. Livingston, Burchard, Neb.

Silver Lake Durocs.

Fifty fall pigs will be priced right, either sex. Bred gilts will be priced right on mail orders. Bred sow sale Feb. 19. Boars in service, Lone Jack 30291, Jaul Jumbo 42209.

W. C. Whitney, Agra, Kans.

Orchard Hill Herd Duroc-Jerseys. All stock for sale including tried sows bred to Norton's Top Notcher 45116, Gold Dust Top Notcher 62325 and Kanlio Chief 37491. Also spring gilts sired by and bred to these herd headers, properly mated. Also spring males. Dispersion sale February 13. R. F. NORTON, Clay Center, Kans.

B. N. WELCH,

Breeder of DUROC-JERSEYS. Crimson Chief 49609 heads my herd. Young stock for sale.

Waterville, Kansas.

Howe's DUROCS: 100 early spring pigs, the best I ever raised. Improver, Top Notcher, Sensation and Gold Finch blood lines. Call or write.

J. U. HOWE, Route 8, Wichita, Kans.

EUREKA MANOR HERD OF DUROC-JERSEYS.

Choice breeding stock; the best I ever raised. Fall and spring boars, fall and spring gilts, and tried sows, bred on open. Prices the lowest, quality and breeding the best. Herd headed by Eureka Tip Top 43641 sired by the great World's Fair grand champion Tip Top Notcher 20729 and Olathe Chief 61629 by Ohio Chief 8727, the world's champion. Write your wants or call and inspect my herd.

J. F. ENSOR, Olathe, Kans.

SPECIAL!

I have a car of long yearling bulls, a car of bull calves, a car of yearling heifers and a car of heifer calves for sale. These cattle are all in good growing condition and are mostly reds. They were sired mostly by Baron U. 24 124970, Bold Knight 179054 and Headlight 24 243505.

C. W. TAYLOR, R. 2., Enterprise, Kans.

Wall Street

Might have taken you in had I not come to your rescue with a few sows carrying the blood lines of Kruger, Buddy K., Tip Top Notcher, Crimson Wonder and Ohio Chief, bred for early farrow to Secret Prince 68211, A. B. Top Notcher 47323, Big Chief's Special 68213, Top Notcher Model and Billy K., Jr. Write me your wants.

G. W. COLWELL, R. 2, Summerfield, Kans.

Klondyke Durocs

30 choice bred gilts, sired by Chief Model 47895, a 700 pound, 2-year-old son of Hunt's Model 20177; Prover 63589, one of Improver 2d 13365 best yearling sows; Sam Advance 63587, a fine grandson of Proud Advance 23549. Prices \$15.50 to \$18.50. Write me now.

G. E. Newton, Whiting, Kans.

Ralph Harris Farm Duroc-Jersey Herd

Kansas Advancer 67427 and Crimson Advancer 67425 at head. At the American Royal, 1907, with 3 entries we took reserve grand champion sow; champion sow under 12 months; 1st and 2d sows under 12 months, and 2d in Junior yearling sows. We look for excellent pigs by our new herd boars.

RALPH HARRIS, Prop. B. W. WHITE, Mgr. WILLIAMSTOWN, KANS. Farm station, Buck Creek, on the U. P. 45 miles west of Kansas City.

K. & N. Herd Royally Bred Duroc-Jersey Swine

Have a few gilts that I will sell at reasonable prices, bred for April farrow. Also a few fall boars of September, 1906, farrow. Write for prices and descriptions.

R. L. WILSON, Chester, Neb.

DUROC-JERSEYS

Deer Creek Durocs

100 pigs of March and April farrow by sons of Ohio Chief, Tip Notcher and Kant Be Beat. Ready for shipment after July 1.

Bert Finck, Prairie View, Kans.

Fairview Herds Durocs and Red Polled

Some good young boars by Crimson Challenger 43877 for sale. No females or Red Polled cattle for sale now.

J. B. Davis, Fairview, Brown County, Kans.

CRIMSON HERD OF DUROCS.

Herd boars, Red Perfection by Leona's Chief, Allean Gold Dust by Parker Mc., and Red Pathfinder by American Royal. Iowa Girl still farrowing good litters. The best blood lines of the breed with size and quality combined. Spring pigs for sale. J. W. Reid, Fortis, Kans.

ATTENTION

Hog raisers of every kind. Had you forgotten that this is just the time to buy that male pig to head your herd? Well it is a fact and you had better get in line and come to the Rosebud and get something fine. Rosebud Stock Farm, Rathbun & Rathbun, Prop., Downs, Kans.

Elk Valley Durocs

Herd headed by Doty Boy 29779, a son of the champions Goldfinch and Dottie. My sows are by prize-winning boars. Choice pigs of both sexes for sale.

M. Wesley, Bancroft, Kans.

CUMMINGS & SONS DUROCS

100 tippy pigs of early March farrow, by Lincoln Top, Junior Jim, Tip Top Notcher Jr., Kants Model, Beautiful Joe and our herd boar OH HOW GOOD, second prize-winner at Nebraska State Fair. Sale in October; write or visit.

W. H. Cummings & Son, Tecumseh Neb

Vick's DUROCS are bred for usefulness. Choice young stock for sale by such great boars as Vick's Improver 47385, Red Top 32241, Fancy Chief 24923 and other noted sires. Correspondence invited. Visitors coming to Junction City and phoning me will be called for. W. L. VICK, Junction City, Kans.

CHASE COUNTY HERD OF DUROCS. Golden Chieftain, a grandson of Ohio Chief 8727-A, Harter's Choice, a granddaughter of Crimson Wonder and first and grand champion sow at St. Joseph, 1907, and others of the best breeding. Young stock for sale at all times. J. H. Gayer, Route 1, Cottonwood Falls, Kans.

Stadt's Durocs

A fine line of sows and gilts bred to Long Wonder, Nelson's Model, and a son of Kant-bebeat, at public sale prices less expenses. Also 2 or 3 good spring boars at panic prices if taken soon.

J. F. STAADT, Ottawa, Kans.

Lamb's HERD OF DUROCS

is built along the most fashionable blood lines and is noted for the individuality of its make-up. 50 fine pigs sired by the great Hanley, Lincoln Top, Buddy L by Buddy K IV, Crimson Jim, Ambition and other great sires. We invite correspondence with prospective buyers.

Elmer Lamb, Tecumseh, Nebr.

Timber City Durocs

Fall and spring boars by You Bet 31111, Doty Wonder 41889, Geneva Chief 8049, Rose Top Notcher 54059, and others. Sows bred to the above boars for sale. Over 400 head in herd, write your wants.

SAMUELSON BROS., Bala, Kans. and Cleburn, Kans.

Elk Creek Durocs

One 2-year-old boar by Improver 2d and out of Nebraska Bell. Also one yearling boar by Old Surprise, (a son of prize-winners) at living prices. 160 pigs of early spring farrow by Kant Be Beats Best, and Bell's Chief 2d, ready for shipment after July 1.

J. E. JOINES, Clyde, Kans.

ROSE LAWN Duroc-Jerseys

I have several high-grade Lincoln rams for sale.

L. L. Vrooman, Rose Lawn Place, Topeka, Kans.

Capital Herd Duroc-Jerseys.

Young boars and gilts for sale from such sires as Missouri Goldfinch, Long Wonder and Parker Boy, with excellent breeding on dam's side. All are good thrifty pigs. Call or write.

J. S. White & Son, R. S, Topeka, Kans.

DUROC-JERSEYS

Gold Standard Durocs 10 extra spring boars and 40 choice gilts open, or bred to a good son of Kant Be Beat at panic prices. Chas. Dorr, R. 6, Osage City, Kans.

PLEASANT VIEW DUROCS

70 early pigs by Quality King 59831, Orion Boy 42187, and W's Top Notcher 59838. Also some choice tried sows at farmers prices. Thos. Watkinson, Blaine, Kans.

PRAIRIE QUEEN DUROCS

70 early springs that are tops, by the great Kant Be Beat, Alex Heir, and Wilkes Echo, out of daughters of Ohio Chief and Village Pride, and other good ones. G. H. Ramaker, Prairie View, Kans.

FOUR-MILE HERD DUROCS

Choice fall boars by Orion Jr. 31497, and Ohio Chief 2d 41197, 50 spring boars, growthy, heavy bone, good feet, nice color; sired by the above named males, and E's Kant Be Beat 57563, Crimson Chief 31263, Rose Top Notcher 54059, You Bet 31111, Tip Top Notcher 20729, and other noted sires. Sows of the best and leading families. Write or visit herd. Visitors met at trains.

E. H. Erickson, R. 1, Olsburg, Kans.

Otatop Herd Duroc-Jersey Swine

Composed of nothing but prize-winning blood. Pigs for sale of either sex.

JOHN W. TAYLOR, Edwardsville, Kansas

Haith's DUROCS

Herd headed by Lincoln Top, sweepstakes boar at Nebraska State Fair, 1907, assisted by Haith's Cant Be Beat, Haith's Hanley, Jim's Wonder, Wonder Again. A few good sows bred to these boars for spring farrow. Will breed a few sows to Lincoln Top, \$100 service fee. Sale date, January 29.

W. H. HAITH, Route No. 1, Vesta, Neb.

Grant Chapin's Durocs

FOR SALE—Some very choice young boars of April and May farrow sired by Model Chief Again and out of my best producing sows. Some of them herd headers.

Bred sow sale January 28, at the Agricultural College, Manhattan, Kans.

Grant Chapin, Green, Kans.

POLAND-CHINAS

FAIRVIEW STOCK FARM

Forty-five head of high grade Poland-Chinas. 40 head of brood sows and gilts and 5 boars, to be held at Fredonia, February 29, 1908. Send for catalogue.

A. K. SELL, R. 2, FREDONIA, KANS.

BOARS, BOARS.

Choice spring males at right prices, by Grand Chief, Masterpiece, Nonpareil, Choice Chief E. L. 2d, and other noted sires. Call on or write.

THOS. COLLINS, R. 4, Lincoln, Kans.

Stalder's Poland-Chinas

I have pigs for sale from the leading strains of the country. Prices reasonable. Write for full particulars.

D. W. Stalder, Salem, Neb.

Erie Gas Light Herd POLAND-CHINAS.

Headed by Sunshine Chief 2d by Chief Sunshine 2d, dam Queen Perfection, Margarette C, Mayflower, Ideal Sunshine 2d and other great sows in herd. Stock for sale. J. K. MAHAFFEY, Erie, Kans.

JOHN BOLLIN,

Route 5, Leavenworth, Kans.

Breeds and Sells Poland-Chinas Popular

The State and World's Fair winning boar Nemo L's Dude and The Piglet in service

Peacock's POLAND-CHINAS.

12 BOARS, either spring or fall verillings, Mischief Maker, Corrector or On and On strains. If you are looking for the right kind, with sale expenses deducted, call, or write your wants. Annual bred sow sale Jan. 31. Farm adjoins town. W. R. PEACOCK, Sedgwick, Kans.

SUNNY SLOPE POLANDS

A number of spring pigs, either sex, the farmers' kind, at bottom prices. Gilts will be sold bred or open. Also a litter of Scotch Collie pups, the great watch and cattle dog.

W. T. HAMMOND, Portis, Kans.

Becker's POLAND-CHINAS: 40 choice pigs; the easy feeding, early maturing kind; by Dandy Rex; first in class at Kansas and Colorado State Fairs 1905-06. Prices reasonable.

J. H. BECKER, Newton, Kans.

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RURAL BOOKS—Send for descriptive list of books for farmers, gardeners, florists, architects, stock raisers, fruit growers, artisans, housekeepers and sportsmen. Sent free. Address The Kansas Farmer Company Topeka Kans.

Stray List

For Week Ending January 2. Lyon County—Jno. E. Martin, Clerk. STRAY—Taken up by Sarah J. Weaver in Emporia tp., one 3-year-old dark red steer, square crop on left ear; valued at \$35.

Live stock advertising in The Kansas Farmer brings results to the advertiser.

\$250 WILL BUY 80 acres; Christian County, South-east Missouri. Perfect title; terms \$10 monthly. W. M. B. Williams, Mt. Vernon, Ill.

Farm Bargains in East Kansas

Write for new land list describing farms that are offered at bargain prices. Corn, wheat, clover and alfalfa land. MANSFIELD BROS., Garnett, Kans.

MISSOURI FARMS FOR SALE

Everman has a farm for every man. Write for description and price list. John W. Everman, Gallatin, Mo.

FOR SALE ON PAYMENTS.

With immediate possession, 4 room cottage, 520 Chandler St. 10 acres close in, West Tenth Ave., \$250 cash, balance monthly. Fine lots Washburn car line, cash or on payments. 56 acre farm at Grover Station, 11 miles east, well improved, \$500 cash, balance payments. Phones 1240 and 830.

F. J. BROWN, 17 Columbian Bldg. Topeka, Kansas

R U LOOKING



For a bargain? I have these direct from the owners, and they will pay your expenses if not found as represented. In Kan., Mo., Okla., Nebr., Colo. and Tex., 397 farms, 78 ranches, 61 stocks of goods, also lumber yards, hotels, mills, elevators, phone plants, horses, cattle, etc. I have some splendid farms and ranches to exchange for rentals and merchandise. When you wish to buy, sell or exchange, I would like to hear from or see you.

FRANK GEE, Lawrence, Kans.

200-BARREL FLOUR MILL

Located in Eastern Kansas. Cost over \$30,000. Equipped with modern machinery, in perfect order. This property is clear. Will exchange for good land, assume encumbrance, or pay cash difference. —Address—

S. B. Bohrer, Shawnee Fire Bldg., Topeka, Kans.

A Cheap Wheat Farm in Stanton Co., Kans.

160 acres level as a floor. Deep, black soil, ready for the plow. In German settlement south part of the county. Price only \$800.

ALBERT E. KING, McPherson Kans.

Norton County Alfalfa and Corn Farms.

We sell Norton County lands where wheat, corn and alfalfa grow in abundance. Write us for list of farms, and full particulars.

LOWE & BOWERS, Almena, Kans.

NOW IS THE TIME TO GET A HOME IN SUNNY COLORADO

They are coming here by the hundreds for health, happiness, home-steads and low priced lands. I locate homesteaders and sell land, in this the most healthful climate in the United States. Elevation 5500 feet; better for lung troubles than higher altitudes. This is the coming wheat producing country of the middle west; one crop pays for the land twice over. Come over the Mo. Pac. Ry. and set off at Sheridan Lake, 14 miles west of the Kansas line and let me show you. S. R. Smith, Sheridan Lake, Colo.

HOME IN MANHATTAN.

480 acres, farm land, wild meadow, and pasture; improved, watered; 12 miles out, 8 miles to shipping station; price \$20 per acre. 160 acres—90 acres best river bottom, balance pasture; improved; \$7,000. 240-acre finely improved prairie farm for \$10,000. 320 acres best natural pasture for \$5,000. Over 40 farms in this vicinity. Lists in more than twenty Kansas counties. Best large stock farm and ranch list in the west. Over 75 city properties. Large suburban and rooming-house list. Good exchange list. Manhattan city properties, including livery and harness business and hotel, for land. Write today. New state map for 10 cents in stamps. MANHATTAN REALTY CO., 304 Poyntz Ave., Manhattan, Kans.

A Fine Kaw Bottom Farm

FOR SALE—A fine Kaw bottom farm with good improvements, about 40 acres of alfalfa, only five miles from Topeka, for \$90 per acre.

W. H. FORBES & CO. 107 West 7th St., Topeka, Kans.

LEGAL.

First published in Kansas Farmer January 16, 1907. Publication Notice

In the District Court of Shawnee County, State of Kansas. Marium Carleton, Plaintiff, vs. George H. Carleton, Defendant. No. 24784.

To George H. Carleton, the above named defendant. You are hereby notified that as defendant, you have been sued by the above named Marium Carleton as the plaintiff and that said action is now pending in the District Court of Shawnee County, State of Kansas, and that the petition is now on file in the office of the Clerk of the District Court aforesaid; and you are further notified that unless you plead, answer or demur to said petition on or before the Twenty-Seventh (27th) day of February, A. D. 1908, or the matters and things set forth in the petition of plaintiff, together with the proofs offered, will be taken as true, and a judgment and decree will be rendered and taken against you annulling the bonds of matrimony and marriage heretofore existing between yourself and said plaintiff, on the grounds of extreme cruelty and gross neglect of duty, and restoration of former name of Marium Derby be decreed to plaintiff and for costs and such other relief as she may be entitled to.

MARIUM CARLETON, Plaintiff. By P. H. CONEY and F. P. COCHRAN, Her Attorneys.

Attest: R. L. THOMAS, [SEAL] Clerk.

Notice of Final Settlement. The State of Kansas, Shawnee County, ss. In the Probate Court in and for said County. In the matter of the estate of Edward Zuercher. Creditors and all other persons interested in the aforesaid estate, are hereby notified that I shall answer to the Probate Court in and for said County, sitting at the Court House in the City of Topeka, Shawnee County, Kansas, on the 3d day of February, A. D. 1908, for a full and final settlement of said estate. Dated December 19, A. D. 1907. S. J. CRUMHINE, Administrator of the estate of Edward Zuercher, deceased.

(First published in Kansas Farmer, December 26, 1907.) Sheriff's Sale. Case No. 24687.

In the District Court of Shawnee County, State of Kansas. James Durkin, Plaintiff, vs. J. E. Tierney and Alice Bates, Defendants.

By virtue of an Order of Sale issued to me, out of said District Court, in the above-entitled action, I will, on Monday, the 27th day of January, A. D. 1908, at 10 o'clock a. m., of said day, at the east front door of the Court House in the City of Topeka, in the County of Shawnee, in the State of Kansas, offer at public sale, and sell to the highest and best bidder for cash in hand, all the following described real estate, to wit: Lots numbered 1, 3, 5, 7, 9, 11, 13, and 15 on Third Street in Block 21, also Lots numbered 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29 and 31 on Third Street in Block 22. Also Lots numbered 2, 4, 6, 8, 10, 12, 14 and 16 on Gordon Street in Block 21. Also Lots numbered 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30 and 32 on Gordon Street in Block 22. All of the aforesaid lots are recorded in plat of Blocks 21 and 22, North Park Addition to the City of Topeka.

peka, Irving and situate in the County of Shawnee in the State of Kansas. The above-described real estate is taken as the property of said defendants, and is directed by said order of sale to be sold, and will be sold without appraisal, to satisfy said order of sale. J. M. WILKERSON, Sheriff of Shawnee County, Kansas. By JONATHAN D. NORTON, Under Sheriff. M. T. CAMPBELL, Attorney.

HOTEL KUPPER

11th and McGee St. Kansas City, Missouri



One of the newest and most centrally located hotel in the city. Absolutely modern in every detail. European Plan. \$1 per day and up

USE SAUNDERS' GOPHER EXTERMINATOR



To kill prairie dogs, squirrels, gophers, badgers, etc. The apparatus shown in cut forces air through carbon bisulphite direct to holes and runways and is the most effective remedy known.

Price, complete with full directions for using, \$5.00.

FLINT SAUNDERS Lincoln, Kans.

HENRY W. ROBY, M. D. SURGEON. 730 Kansas Ave. Topeka, Kans.

Engraving Dept. of the Mail and Breeze (Topeka) makes our CUTS.

FRANK IAMS'

"Peaches and Cream" stallion and mares are best investments for deposits, you have in "banks" and can't draw out. Waits me around again Willie," then buy a stallion and two mare of Iams. They will make us 40 per cent and we will know where our money is. Iams will accept our certificate of deposit drafts, certified checks or bankable notes. Iams and his winners and sons of winners "stirs up the animals." He hypnotizes the buyers with a "horse show" of bargains. Owing to bad crops, Iams' cash, his 26 years experience, he is selling more and better horses than ever. "Willie," buy an "Iams stallion" this fall, save \$300 and get choice of

200 Percherons, Belgians and Coachers 200

Two to six years old, wt. 1700 to 2560 lbs., 90 per cent black boys, 50 per cent tan stallions. All registered and approved. Mamma, Iams is a hot advertiser, but he has "the goods." He sells "toppers" at \$1000 and \$1,500, so good they need not be "peddled" or put on the "auction block" to be sold. He has on his "selling clothes," they fit all buyers. No men with money or bankable notes get away from Iams. He buys, owns and sells more stallions than any man in the U. S., saves thousands of dollars to stallion buyers. He is not in the stallion trust. Iams places 1,000 or \$1,500 insurance.



\$1,000 — SAVED AT IAMS' — \$1,000

Key, what a rich graft these "slick stallion salesman" are working on the honest farmer, selling fourth-rate stallions at \$2,000 and \$5,000! Iams sells "topnotchers" so good, big and cheap that they do not need to be peddled to be sold. Mr. Buyer, see Iams' stallion yourself. Take no "gold brick stallion salesman's word." Iams has "the goods" you read about. His establishment is worth going 2,000 miles to see. Iams makes competitors "holler." He is knocking "high prices out of Xmas tree. Iams saws wads, "butts in," sells more stallions each year. He makes every statement good. Georgie, dear, buy a stallion of Iams. His \$1,300 stallions are much better than our neighbors paid those Ohio men \$4,000 for. Then I can wear diamonds. Iams speaks the languages, buys direct from breeders, pays no buyers, salesmen or interpreters, has not two to ten men as partners to divide profits with. Iams guarantees to sell a better stallion at \$1,000 to \$1,500 than are sold to stock companies for \$2,500 to \$6,000 by slick salesmen, or pay you \$500 for your trouble, you the judge. Iams pays horses freight and buyer's fare; gives 60 per cent breeding guarantee. Write for eye-opener and greatest horse catalogue on earth.

References—St. Paul State bank and Citizen's National bank.

ST. PAUL, NEB.



Just returned home with a grand lot of European stallions—Percherons, Belgians, Shires and German Coach. In all of our 21 years importing we have never landed a better lot; big, strong, massive fellows, heavy bone, good actors and sound as gold dollars; ages 2, 3, and 4 years old. As to prices, there is no concern in the United States can sell an honest, all sound and all right stallion for less money than we can. Come and see us and examine our stallions.

When you arrive in Lincoln, take the State Farm or Interurban street car. Inquire for Sullivan's barns. If impossible to come at once, write us for further information concerning our stallions.

THE LINCOLN IMPORTING HORSE COMPANY,
A. L. SULLIVAN, Mgr. LINCOLN, NEB.



Robison's Percheron Sale

Seventh annual sale, Wichita, Kas., February 18, 1908.—40 mares, 20 stallions. Catalogs ready January 15.

J. W. & J. C. ROBISON, Towanda, Kans.



FRANK WASSON, Importer and Breeder of Percheron and Shire Horses

Stallions of age and quality to suit any buyer that wants a good money maker. Prices right and terms easy. Write for particulars today or come and look them over.

FRANK WASSON, Clearwater, Kansas

MULLEN & SHEPHERD'S

Great Combination Sale

Pure Bred Duroc-Jerseys, in Hall at Fair Grounds, at

Abilene, Kans., Monday, Jan. 20

J. D. Shepherd's Division

7 Fall and Spring Gilts—3 Tried Sows and 2 Boars of June Farrow.

The individuals in this offering were sired by such noted boars as Teddy R. 48067, Kid Newton 18003, Goodenough 13991, and Clemmet 44999. Teddy R. is a prize winner that has carried off high honors wherever shown. He won first in class and sweepstakes at two fairs in 1906, repeating the performance at Dickinson County Fair 1907. Shepherd's Choice won first in six months' class 1907. On the dam side of the draft is Red Rose 116740. She is a great mother and no one should fail to see her gilts in this sale. Another good one is Polly 136636. This sow farrowed 13 pigs September 11, and raised 10 of them.

Special Attractions:

Three gilts sired by Teddy R.; dam Red Rose. These are simply fine. They have been bred to that first prize boar pig, Shepherd's Choice 68353.

The entire offering will be in splendid breeding condition, not excessively fat, having been raised on alfalfa pasture and shorts sloop with very little corn. The tried sows have raised two litters of pigs this year. My winnings at the Dickinson County Fair in 1907 consisted of 9 firsts, 2 seconds, 2 thirds, sweepstakes on boar and sweepstakes on sow. Write for catalogue.

W. C. Curphey, Auctioneer.

J. W. Johnson and J. R. Johnson, Fieldmen.

W. R. Mullen's Division

5 Tried Sows, 23 Gilts.

Some of the sows are granddaughters of Shamrock 20569; dams Madge's Kid I and II: Shamrock Kid 163456, farrowed August 15, 1906. Abilene Queen 169460, farrowed August 11, 1906. Abilene Belle 169458, farrowed August 11, 1906. Princess Clementine III 169152, farrowed August 11, 1906. Princess Clementine I 169450, farrowed August 11, 1906. These are all GOOD tried sows. Some of these are bred to Oom Paul II, Wonder 46831, and Hambletonian Top Notcher 68471, Oom Paul II Wonder 46831 has won three firsts in his class in Dickinson County Fair. Look up his breeding. Hambletonian Top Notcher 68471 was farrowed only last April 13, so he has only made one appearance at fairs and took a blue ribbon every time he showed, all but sweepstakes ring. His mother, sisters and he took more ribbons than any sow and litter at the Dickinson County Fair. Hogs are of the large, growthy type. In the offering are 23 gilts of April and May farrow, all of which will be bred to Hambletonian Top Notcher 68471. Here is a young boar that I think is one of the coming hogs. He is a splendid pig, of good bone, feet, length and arched back; has a nice head and ears. His breeding is at the top, carrying the lines of Improver 2d, Top Notcher, and is a great grandson of Kant Be Beat, the \$2,500 boar of Morrison & Sons of College View, Neb. His dam's breeding is right, too—her sire is Jumbo Perfection, who was the first prize boar at Nebraska State Fair in 1903 and 1904 and third prize at St. Louis. Dam sired by Hambletonian, now in Manlove herd at Bowen, Ill., and for whom they refused \$1,000.

SHEPHERD & MULLEN, Abilene, Kans.

PEACOCK'S

Poland-China BRED SOW SALE

— WILL BE HELD AT —

Sedgwick, Kans., Friday, January 31

My offering will consist of well grown spring gilts and proven sows bred to Mischief Maker I Know, a three quarter brother to Meddler, the Worln's Fair champion and C. Corrector, py Corrector. A few extra good boars will be included.

Some of the best blood lines from some of the best families of the breed are represented in this consignment, and everything offered will have both size and finish and be in the pink of condition.

This is a business lot of hogs and I expect to sell them at business prices. Write for catalogue.

W. R. Peacock, Sedgwick, Kans.

JACK AND JENNET SALE

At my farm 1 mile south of Blackburn, Okla., January 10, '08.

5 head of Mammoth Jacks and 13 head of Mammoth Jennets, 10 of which are bred to Mammoth Jacks. 6 of the above Jennets are bred to James Jefferson, 6 years old, a Mammoth Jack, 16 hands high, black, with white points, weight 1,100 pounds.

4 are bred to Bismark, 8 years old, black with white points, 16 hands high, weight 1,000 pounds.

Cronje is a brown jack, coming 3 years and is 15 hands high.

1 fine yearling jack, black in color, and one jack colt, just weaned.

The above jacks and jennets are all genuine Mammoth stock, extra large and good colors.

Write and come to the great sale.

HENRY D. C. POOS, Owner,

Blackburn, Okla.

Jas. W. Teter, Clerk, Edl Tatro, Auctioneer.

ERICKSON'S Bred Sows AT AUCTION

The sale will be held at my farm six miles northeast of Olsburg, which is on the L. K. and W., and five miles southeast of Cleburne, which is on the Blue Valley branch of the Union Pacific. Sale under cover. The date is

Wednesday, Jan. 22

and the day before Samuelson Bros. sell at their farm near Cleburne and to which free conveyance will be furnished from my sale. My offering of forty head of Duroc-Jersey bred sows on the above date I think will contain blood lines that can't help but please you and the individual merit will show for itself. I have bought from the best herds in the country and am putting my best foot forward in this instance. Eight tried sows, four fall yearlings, and twenty-eight spring gilts make up the offering. Fourteen sows by Orion Jr. 31479, he by old Orion and eight bred to him. Six by E's Kant Be Beat by Red Raven and grandson of Kant Be Beat on dam's side and twelve bred to him. Four by Ohio Chief 2d, one by Hunt's Hodel, one by Improver 2d, four by Crimson Chief, he by old Crim-son Wonder and one by old Kansas Wonder. For a catalogue address

E. H. ERICKSON,

OLSBURG, KANS.

Auctioneers: Lafe Burger, Jas. T. McCulloch, Chas. Currie.
Remember Samuelson Bros.' sale the day following at Cleburne, Kans.

An Expansive and Old Hutch BRED SOW SALE

At the farm 6 miles south of

Waterville, Kans., Wed., Jan. 22

Our offering on the above date numbers 45 head and consists of about twenty spring gilts that go in the sale weighing 300 pounds and over. They were sired by Expansive, a son of old Expansion, and one of his biggest sons. They are bred for early farrow to Old Hutch, the sire of Big Hutch, the great boar at the head of Thompson Bros.' herd and the sire also of several others that are now as famous as himself. The sows in the sale not sired by Expansive will be safe in service to him. Bids may be sent to J. W. Johnson of The Kansas Farmer.

Thomas & Swank, Waterville, Kan.

Auctioneer: Col. T. E. Gorden.

A DUROC-JERSEY Bred -- Sow OPPORTUNITY

A select draft of 45 head of tried sows, fall yearlings and spring gilts from the Timber City Herd of Samuelson Bros., of Cleburne, Kans. Sale to be held on farm near

Cleburne, Kan., Thursday, Jan. 23

We will sell 45 head, consisting of nine tried sows, six fall yearlings and thirty spring gilts. Of the tried sows one is by Ohio Chief 2d; three by You Bet 31111 (winner of first at the American Royal, 1904, as produce of sow) by Brilliant 9265; one by Perfection Wonder 2d 31115, by Perfection Wonder 14779; two by Roosevelt 2d 20365 (winner of second at American Royal, 1904); one by Advance Top Notcher 43501, he by Top Notcher Chief (junior champion World's Fair 1904); one by Captain Paul 19539.

The fall yearlings are sired by You Bet. Of the spring gilts, six are sired by Choice Goods I Am by W. L. A.'s Choice Goods; four by E's Kant Be Beat; four by Rose Top Notcher by Advance Top Notcher; eight by You Bet and eight by Geneva Chief 48049.

These will be bred for March and April farrow to Geneva Chief, White House King 69543, by White Hall King, Attraction, by Attractive Chief, one of the best sons of Red Raven.

Sale will be held under cover rain or shine. Free conveyance will be had from Cleburne and also from the sale of E. H. Erickson, which is held the day before at his farm six miles from Cleburne. For catalogue address

Samuelson Bros.,

CLEBURNE, KANS.

Auctioneers: Burger, McCulloch and Currie. Send bids to J. W. Johnson.

WARD'S TRIED SOW AND YEARLING SALE

Belleville, Kan., Friday, Jan. 31

Sale to be held at farm,
3½ miles south of town.

This offering is composed of the cream of my herd augmented by the very best that I could find, and bred to the greatest quartet of boars ever combined in one sale: Meddler 2d—Sire of more champions than any other hog the world ever saw at his age, and sire of the highest priced selling animals. Voter—the Illinois champion of 1907, and of which John Cotta says: "Unquestionably the best hog ever shown at the Illinois State Fair." The Breeders Special—the \$4,000 son of Meddler 2d, and the world's famous Darkness and out of the highest priced litter in the world, for the number sold (5 animals, \$12,000). Old King Skybo—all Kansas breeders know him, and to know him is to love him and want his get.

The offering includes 3 by Corrector, 5 by Corrector 2d, 2 by Meddler, Keep On, Kemp's Perfection, Chief Perfection 2d, Perfect Challenger, Grand Chief, Perfect Perfection, Skybo, Mischief Maker, Perfection E. L., Convincer, Sunflower Perfection, Kelley's Perfection, Proud Perfection, Cute Special, B. B. Perfection, Lucifer, and others.

DAMS OF OFFERING—Simply Grand, dam of old Grand Chief; Perfect Beauty, dam of Corrector 2d.; Beauty Perfection, dam of Chief Ina 3d, Pet 3d, Black Model, Queen Wonder, and others of equal note.

SPECIAL ATTRACTIONS: Laughing Eyes—the \$300 open gilt, a full sister to Corrector 2d. She is safe to the Breeders Special. Babe Adams—the \$1,530 gilt, safe to Meddler 2d. Beatrix—by Skybo, safe to the Breeders Special.—Grandeur—by Skybo, and a half sister to Grand Chief. She also is safe to the Breeders Special. Perfect Lady 4th—half sister to Hulda's Idea, bred as above. Parison Model—safe to Voter. And 34 other good ones.

Of the sows in this offering 8 will be safe to the world famous Meddler 2d; 2 to the champion Voter; balance to our young Meddler-Darkness boar, the Breeders Special, with a few to old King Skybo.

Send mail bids to either auctioneers or fieldmen, in my care. Breeders, stop at Rock Island House. Write for catalogue.

J. J. Ward, - - Belleville, Kans.

Auctioneers: Correll, Burger, Brennan, J. W. Johnson, Fieldman.

DISPERSION SALE

OF

SHORTHORN CATTLE

Superior, Neb., Friday, January 31

42 Cows and Heifers, 20 Bulls, All Registered

14 head of Pure Scotch Orange Blossoms, Lovelys, Mary Ann of Lancaster and others.

Balance choicely bred and Scotch topped. These cattle have been selected and bred at great expense from the best blood and cattle in the Shorthorn records. 30 head are heavy with calf or will have calves at foot sale day, by the renowned Cruickshank bull Chief Lavender 139145 and Queen's Choice 253125, a Scotch grandson of the great champion, Choice Goods. They with a large number of their get in this sale. My misfortune is your opportunity. These are the kind that produce beef, milk and butter at minimum cost. This is a bargain day and the time to buy. A share of stock and herd books of the American Shorthorn Breeders' Association offered at close of sale.

Terms, cash, or up to twelve months time on bankable paper at 8 per cent.

Sale begins at 12 o'clock. Free lunch at sale barns. For catalogues address the owner,

ROBERT GUTHRIE,

2611 Y Street, LINCOLN, NEB.
Or Guthrie & Company, Superior, Neb.

Z. S. Brandon, Auctioneer. Wm. L. Wilson, Clerk.

Big Smooth Polands

AT AUCTION.

Thompson Bros., of Marysville, Kans., will sell on
FEBRUARY 1, AT MARYSVILLE,

a draft of bred sows that are remarkable for the great amount of quality and finish combined with immense size.

The offering numbers 15 yearling tried sows and 25 choice spring gilts. Most of the spring gilts are by Big Hutch and the balance are bred to him. Everything bred to Big Hutch and Captain Hutch. Thompson Bros. are among the best known breeders of big, smooth Polands in the West and the popularity of their herd and their accomplishments in the show ring are well known. Their offering of bred sows on the above date, as stated above, is remarkable for the size of the sows and gilts offered coupled with as much quality and finish as is found in the smaller type. If you want Polands with more size without sacrificing smoothness this is your opportunity.

For a catalogue which is now ready address

Thompson Bros., Marysville, Kans.

T. C. Callahan, Auctioneer. Send bids to J. W. Johnson in their care.

Cottingham & Son's

12th Annual Sale of Horses and Shorthorn Cattle, at

McPherson, Kans., February, 4-5, '08

Tuesday, February 4, we will sell 50 head of good young horses, consisting of drafts, brood mares, and single and double drivers. Among these will be a number of matched, well-broken teams. This will be one of the best lots that we have ever offered.

Wednesday, February 5, we will sell 45 Shorthorns, consisting of 25 cows and heifers, 6 bulls from 1 to 2 years old, 8 extra bull calves 7 to 11 months old and a number of fine heifer calves. These are a business lot of cattle. The females trace to some of the best families of the breed such as Rose of Sharon, White Rose, and Imp. Scotch Rose. A number of the cows will have calf at foot by our straight Scotch herd bull, Scottish Secrete, a good son of Imp. Collynie and all of breeding age will be in calf to him, and most of the young things are by him. Sale will be held at our farm one mile south of McPherson, and will commence promptly at 1 p. m. each day.

Get your name on our list for a catalogue.

W. H. COTTINGHAM & SONS,
McPherson, Kansas

Auctioneers: Cols. Curphey, Seitz. L. K. Lewis, Fieldman.

Budweiser- Brandywine

BRED SOW SALE

Jamesport, Mo., Thursday, Jan. 30

40 Poland-China Sows and Gilts 40

The useful kind bred to my big boned spotted boars. If you are a lover of the BIG KIND, THE SPOTTED KIND, THE PROLIFIC KIND, get a sow bred to that kind. Every sow in this sale will be a money maker for you.

Sale in Town Under Cover.

Write for a catalogue that tells all about the BIG SPOTTED KIND. If you can not attend in person mail bids may be sent to Geo. E. Cole, in my care, who will represent The Kansas Farmer at this sale.

H. L. FAULKNER,

Box K. Jamesport, Mo.

Auctioneers: Cols. Wells, Shepherd, and Williams.

J. E. JOINES,
CLYDE, - - - KANS.
 Selling a select draft of
DUROC-JERSEY
BRED SOWS

In town and in comfortable quarters
MONDAY, JANURAY 27

My sale is the first in the circuit in which Grant Chapin, of Green, Kans., and J. O. Hunt, of Marysville, sell the 28th and 29th respectively. Mr. Chapin sells at Manhattan the day following my sale and those desiring to attend can leave on an early morning train and arrive there in time for breakfast. My offering on the above date of 25 tried sows and fall yearlings and five spring gilts will not disappoint the most exacting. While the offering is not a large one in point of numbers it is one that I have selected with considerable effort and price. There will be 5 daughters of Parker Mac, the grand old sire of Parker's Echo, and numberless others of merit; there will also be 3 granddaughters of Crimson Wonder, 2 own daughters of old Kant Be Beat, 2 by Chief Orion, 4 by Auction Boy 3d, 3 granddaughters of Improver 2d, 2 granddaughters of old Higgins' Model, and others of good breeding. They will be bred for early farrow to 7 different herd boars. A large per cent of Parker's Echo, the first and sweepstakes at both Bellville and Concordia this season. Others to Bell's Chief 2d and Kant Be Beat's Best. Among the best things I am offering is a very fancy gilt sired by Nebraska Wonder and bred to G. C.'s Col. Also a daughter of the great Kant Be Beat and safe in service to King of Cols. 2d. One spring gilt sired by Ohio Major and out of a litter sister to Morrison's Peach. Breeders are requested to register at the Exchange Hotel in Clyde as my guests. Send for a catalogue which is now ready.

J. E. Joines, - Clyde, Kans.

Auctioneers: T. C. Callahan, John Brennan; J. W. Johnson, Fieldman.

— At the Agricultural College —
MANHATTAN, KANSAS

Grant Chapin, of Green, Kans.,
 sells his climax offering of

DUROC-JERSEYS

The offering consists of 50 tried sows and
 fall yearlings. The date is

TUESDAY, JANUARY 28

and the sale will be held in the show
 pavilion at the college.

The 50 head of fall yearlings from which the 25 that go in this sale have been selected, most of them by Model Chief Again, have been the talk of the season by those who have seen them. They are the actual reserves of the 50 head and go in this sale every one of them an attraction. The balance of the offering, 25 tried sows, represent the very best Duroc families in existence. They are in the prime of their usefulness and not a one offered should fail to prove a money maker for the purchaser. Among them will be found the great brood sow, Callahan's Choice, a full sister to the noted Village Pride. Six of her daughters, tried sows, are also in the sale. Another is Chapin's Rule by Golden Rule and out of a Kant Be Beat dam. May's Daughter, a half sister to Red Raven, Miss Jackson by Pilot Wonder 2d and several good ones by the splendid breeding boar, Ohio Major by Kant Be Beat.

Free entertainment for visiting breeders at the best hotel in the city. Come early and look over the college which is the finest in the world and the most successfully managed. For a catalogue address Grant Chapin, Green, Kans. All mail after January 20 should go to Mr. Chapin at Manhattan in care of Professor Kinzer.

Auctioneers: T. C. Callahan, Judd McGowen, L. R. Brady, Jas. T. McCulloch. Send bids to J. W. Johnson in care of Professor Kinzer, Manhattan, Kans.

J. O. Hunt's sale at Marysville the day following.

Grant Chapin, .: Green, Kansas

John O. Hunt's Annual
DUROC BRED
SOW SALE

Marysville, Kans., Wed., Jan. 29

The sale will be held at the farm as usual, which is four miles south of Marysville and six miles north of Blue Rapids. It's the day following Grant Chapin's sale at Manhattan and breeders can leave there at 6.40 in the morning and arrive at Blue Rapids in plenty of time to drive to the farm in time for the sale.

My offering of forty bred sows on the above date I believe to be the best offering of bred sows I have ever made and the records show that I have made some good ones. Twenty-five of the offering are tried sows and fall yearlings. Fifteen extra big, smooth March gilts complete the offering. If you have been pleased with my offerings in the past I don't know what you will say of this one. Attractions that I might mention are the fall yearlings by Hunt's Model, three March gilts sired by old Kant Be Beat, and one of them out of the great Village Pride and the other two out of an outstanding sow I bought in Nebraska last winter.

The 15 March gilts are mostly by Hunt's Improver, a great young boar sired by Hogate's Model, the first and sweepstakes aged boar at Lincoln in 1906. A major portion of the offering is bred to Bell's Chief 2d he by Bell's Chief. Some are bred to Red Lad. Breeders will be taken to and from the farm free of charge from either Marysville or Blue Rapids. Drop me a card with your address and receive my catalogue which is now ready. Address

J. O. Hunt, - Marysville, Kans.

Auctioneer, T. C. Callahan. J. W. Johnson, Fieldman.

Vick's
Duroc-Jersey
Bred Sow Sale

— WILL BE HELD AT —

Junction City, Kans., Sat. Jan. 25

**40 Head in all, representing nearly
 every leading strain.**

Not a spring gilt in the offering. About two-thirds will be tried sows. The rest fall yearlings. Everything bred for early spring farrow to my herd boars, Vick's Improver by Improver 2d, Diamond Dick 57793, grandson of Katbebeat, Highland Chief 59749, grandson of Ohio Chief and old Orion, and Model B by Vick's Improver. Among the sows will be daughters of Improver 2d, Orion, Shakespeare, Auction Boy 3d, Chief Orion, and other good sires. We have 240 to select from and it is our intention to put an offering that will please the boys. I have had many pleasant times with Kansas and Nebraska breeders and take this opportunity to invite you all to be with me sale day whether you are going to buy or not.

W. L. Vick, Junction City, Kansas

Cols. John Brennan and W. C. Curphey, Auctioneers. J. W. Johnson, Fieldman.