

Forty-Four Pages

The

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FARMERS MAIL AND BREEZE

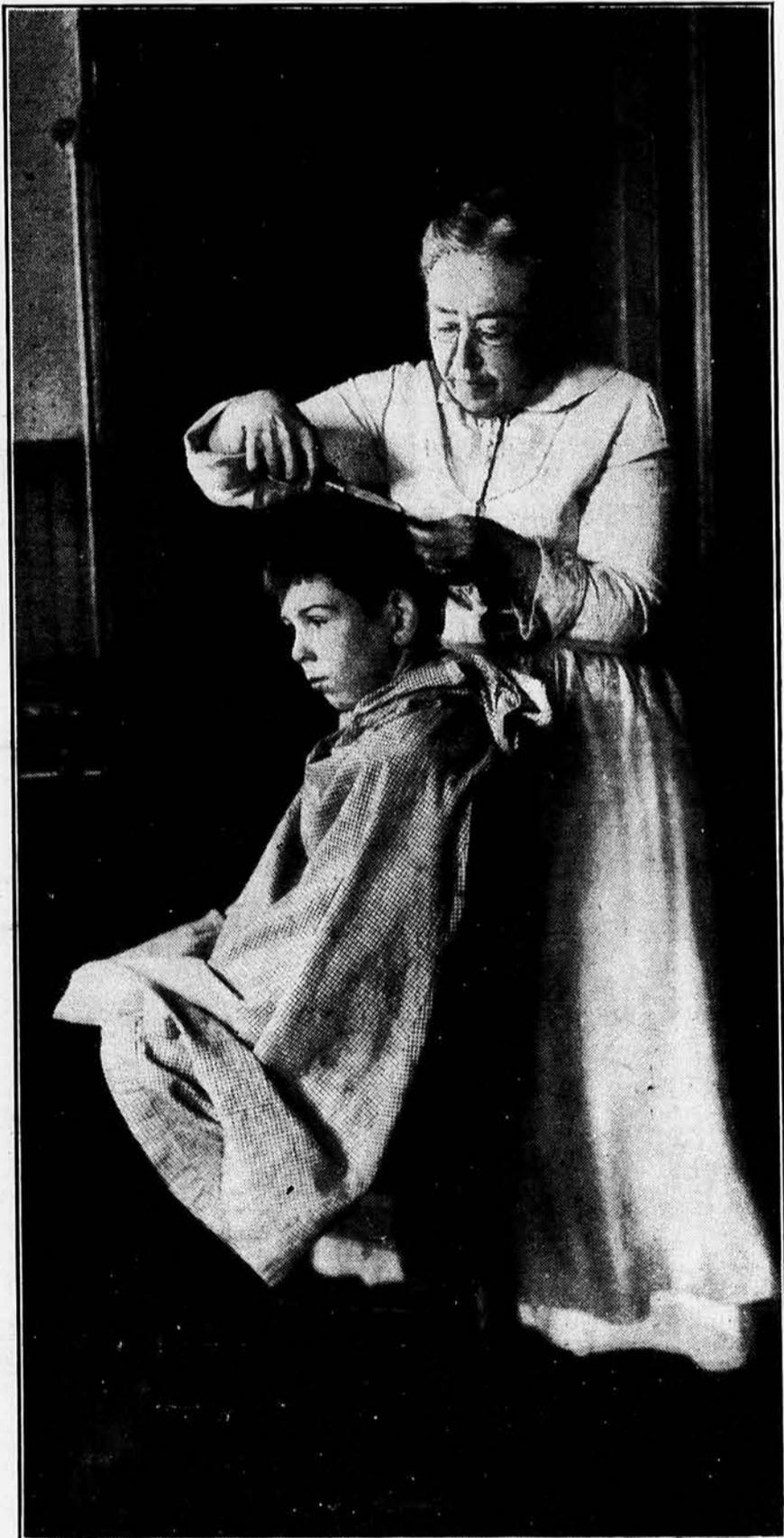
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Vol. 45.

February 27, 1915

No. 9.

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Schools



THIS issue of the Farmers Mail and Breeze contains several articles about schools which should not be supposed to represent the editorial attitude of the paper. We know these articles are by competent persons or we should not print them, but we do not always accept the views or opinions of contributors. To force only our own views upon the readers would not be living up to the standard we have set. We believe in an open forum, within reasonable limits.

We may not believe in the State Unit or the County Unit for Kansas schools, but we do believe our readers should have a chance to read of those forms of government in their favorite paper. We may not like every act of the legislature, but we tell the legislative news in every issue, when that news affects the farmers or their families. The paper's duty is to serve its readers in every issue.

You will find a lot of mighty good, interesting reading in this issue about schools. W. J. Robb, formerly of the educational service in the Philippines, has contributed the leading article, the first of several he is to write, on the State Unit for schools in Kansas. He understands his business. We may not have such a system of government for ten years, if ever, but it is worth knowing about.

We are opposed to satisfied communities and contented men; they never amount to much. Read this school number through. You may get a new viewpoint.



JUST ABOUT FARMING

SOME of the livestock men are discouraged over the prices their animals have been bringing in the central markets. In many cases these prices have not been satisfactory, but it would not be wise to get discouraged with the business because of this. The country has been passing through many abnormal conditions in the last few months, which have been caused largely by the foot and mouth disease, cholera, the war and the high grain prices.

Farmers who are discouraged over the course of the livestock market should remember that reverses are to be expected from time to time in any business, and that the successful men will not be cast down by these. It is certain that some men will be discouraged, and this will make the future even brighter for the men who stay with the business. Livestock farming has a bright future for the man who will keep at it year after year. It will return a higher profit in most Kansas communities than any other system.

Schools

There is a great deal of interest in the county unit in Kansas. This has been developed largely because of the effort to improve the rural schools. Farmers are divided on the county unit proposition, but the larger proportion does not favor it. This may be because it is new and not well understood. The tendency is toward the county unit in all parts of the world. In speaking of this, A. C. Monahan, of the federal Bureau of Education, who is a specialist in rural schools, said:

"In the judgment of most observers, the district system is not economical or efficient. The tendency in all our states, and in foreign countries as well, is toward the larger unit—in most cases it is toward the county unit. England, for example, adopted the county unit system in 1902; all of the schools in every county are now under the management of a board of education that is a sub-committee of the county council, which is a county board for the local government. For many years the schools of Scotland have been organized with the parish as a unit, the parish corresponding closely as a school unit to our township. A strong movement is in progress at present to change to the county unit, and it is expected that this will soon be done."

The county unit question is certain to be an important thing before the people of Kansas for several years. No matter whether one is against or for the larger unit, he ought to study it carefully, and find out what it has done in other states and nations.

Co-operation

"An important thing in developing the grain business in Kansas," said J. C. Mohler, secretary of the Kansas state board of agriculture recently, "is the growth of the farmers' elevators, or co-operative institutions, and the increasingly important place they are taking in affairs. There doubtless will always be independent dealers, for no scheme of co-operation will ever be worked out so perfectly that it will compass all the producers. Neither is co-operation proposed, or practiced, as I understand it to force any legitimate concern out of business. There is doubtless room for both."

"Reports we have received on successful farmers' elevators indicate that they have effected a saving to the farmers of 3 to 7 cents a bushel on wheat over the system that had previously prevailed. Assuming this is correct and that the average saving a bushel of 5 cents were applied to the 180-million bushel crop of 1914, it would mean 9 million dollars more for the producers. With the increased land values, it is a greater task for the farmers to maintain the percentage of profit. If the percentage is to be maintained it must be principally through better farming, decreasing production costs, increasing yields, eliminating waste, and cutting down the cost of marketing. If the farmers, through co-operation, can save money on the handling of their grain, it is simply good

business on their part to act together, for their mutual benefit. Not all co-operative concerns will prosper. Neither do all the independents succeed. Co-operation is not a panacea for all ills, but wherever it may be successfully employed it is a very helpful agency in promoting better conditions and in increasing prosperity."

Advertising

Community advertising is possible if the farmers are organized. If there were more publicity of this kind, it would not be necessary to allow this heavy toll of the middlemen, and to pay these deadhead freights to the central markets and back again. Corn is being loaded at many Kansas towns and shipped to Kansas City, only to be hauled back to some cattle feeder near where it was grown. Cattle is shipped to Kansas City on the same day that a farmer from the next town down the line takes the train for Kansas City to buy cattle. And so our faulty system of distribution works, with immense losses to the producers which proper publicity would save.

This problem is being solved in some states. Here, for example, is the copy of a newspaper advertisement which shows how the farmers in Washington are solving their distribution problems:

We are not middle-men.
We are an Equity exchange and growers of our own fruit.
We ask a living price only.
Our apples cannot be duplicated outside the Pacific coast states.
Give an Equity Union exchange your order for apples.
We want mill feed. Quote us.
—Outlook Equity Exchange, Outlook, Wash.
You will notice that this community is advertising its principal product, apples, and that it is advertising for prices on a product it must buy, mill feeds. Could not this plan be used with profit by the organized communities in Kansas?

Dairying

If a man will plan his farming operations so they depend largely on livestock and to a smaller extent on crops, he is more or less independent of these abrupt market changes. He may suffer a little from low prices in some line every little while, but there is certain to be at least some income every year. This is especially true if he is in dairy farming, which is very profitable under the conditions in this state. Dairying provides a sure and steady income every week on which one can safely depend.

Spirit

Perhaps the most important feature of the recent outbreak of the foot and mouth disease in Kansas was the fine spirit of co-operation developed in fighting it. Almost everyone was willing to obey the regulations of the quarantine without question. The few men who violated these were reported promptly by their neighbors as a rule, before they had time to spread the infection. This willingness to work together was the real Kansas spirit—the spirit that leads men to do the right thing. The farmers around Mulvane and Winfield have shown during the outbreak that they believe in doing the proper things for the progress of their business.

Orchards

The acreage of apple orchards in Kansas is decreasing rapidly. If the orchards are not cared for properly they will not return a profit, so it is well if they are removed. There has been a decrease of 118,500 acres of orchards in Kansas in the last 15 years. More than half of this has come since 1909.

Even in the face of this decline, however, the men who have been using logical methods of production and marketing have made good profits. The examples of the leading growers in Doniphan county prove this. This decrease in the acreage in fruit makes the outlook for profits all the better for the commercial growers who handle their business properly.



Sets Snug With the Ground Over Hill and Dale

FENCING your farm the "Apex Way" gives you the best looking fence that any man could own. Uphill and down dale, the fence fits the land smoothly—every line wire tight—every stay wire standing erect.

It's the "swinging joint" that gives you this big advantage in "Apex Fence." It allows the line wires free play—prevents binding or buckling. Apex Fence is easier to put up—lasts longer and holds its shape better than any other good fence that we know of. It's made of best grade, open hearth steel wire—full gauge, thoroughly galvanized. Write for booklet.

APEX Steel Drive Posts

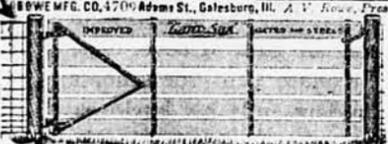
are made of elastic, carbon angle steel—the strongest and toughest post material known. Drive them into any soil, gravel or soft shale—no post holes to dig—no injury to post. Think of the work they save in a busy season—hauling, handling, setting—save you 8 to 10 cents a post. Burn your fence rows clean—ground the lightning and protect your stock. Nothing is better or more economical than Apex Posts. Do not get cut, break, bend or burn—just for generations.

Write for the "Apex Way" and learn how easily you can save money by fencing your farm the "Apex Way."

Janesville Barb Wire Co.
418 S. Franklin St., Janesville, Wis.

I'LL SHIP YOU THIS "Cant-Sag"

Gate On 30 Days' Trial
I prove the value of my "CANT SAG" gates to you for 30 days. I want you to see for yourself that they can't sag, and that you can't buy or make a better gate no matter what material you use. My gates are **Guaranteed For 5 Years**—last three times as long as iron, cast iron or wire. Any size you want, sent complete, ready to hang, or you can buy just the Gate Posts, hinges, bolts, etc. and make your own gates and save money. Write now for free Catalog and prices.



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Strongest, most durable made. Basic open hearth wire. **DOUBLE GALVANIZED.** Compare our quality and prices with others.
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We pay freight anywhere. Write now for free book and sample to test.
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THE BROWN FENCE & WIRE CO.
Dept. 13 CLEVELAND, OHIO

FARM FENCE
41 INCHES HIGH FOR STAYS ONLY 6 INCHES APART. Wires can not slip. 100 styles of Farm, Poultry and Lawn Fencing direct from factory at money saving prices. Ideal Galv. BARBED WIRE \$1.45 36-rod spool. Catalog free.
BITSELMAN BROS., Box 52 Muncie, Ind.
21 CENTS A ROD

Planet Jr. Wheel Hoe: Horse Hoe

Planet Jrs. are the most economical farm and garden tools you can buy. They are made the best, last the longest, and give the biggest results. Fully guaranteed.

No. 11 Planet Jr. Double Wheel Hoe, Cultivator, Plow and Rake



A single and double wheel-hoe in one. The plow, open furrows and cover them. The cultivator, work deep or shallow. The hoes are wonderful weed killers. The rakes do fine cultivation. Unbreakable steel frame. The greatest hand-cultivating tool in the world.

No. 8 Planet Jr. Horse Hoe



Stronger, better made, and capable of a greater variety of work than any other cultivator. Non-swinging steel wheel. Depth-regulator and extra long frame make it run steady. Adjustable for both depth and width.

72-page Catalog (168 illustrations) free
Describe 55 tools, including Seeders, Wheel-hoes, Thrashers, Orchard and Beet-Cultivators. Write postal for it.

S. L. ALLEN & CO. Box 1165P Phila Pa.

Power-Lift Plows

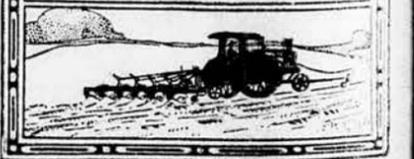


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No matter what your requirements are, we have a plow that fits your need in size, style and price; a plow that will do perfect work under every soil condition and insure you better crops.

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—made by the world's oldest plow-builders—stand for recognized leadership. They make your plowing outfit a one-man affair, operated from the engine cab, saving time, labor and effort. Good plowing is essential to good harvests. Select the plow that is correctly designed to perfectly turn the soil.

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20 Depot Avenue DIXON, ILL.



DON'T BUY Until You Get Our Factory Prices

on best quality and guaranteed heavy 30-rod size, open hearth, Bessemer steel wire fence. 36-inch hog fence, 42 per rod. 41-inch farm fence, 36 per rod. 48-inch poultry fence, 24 per rod. All wires are galvanized for long wear. Write for free catalog.

The Tiger Fence Co., Box 55, Waukesha, Wis.

FARM FENCE
11 1/2 CENTS A ROD UP
36-inch high fence, 36-rod spool, 25¢. 42-inch high fence, 36-rod spool, 28¢. 48-inch high fence, 36-rod spool, 31¢. All open hearth galvanized wire. Send direct to the farmer on 30 days FREE TRIAL. Barbed Wire, 10 rod spool, \$1.45. Catalog free. **INTERLOCKING FENCE CO.** Box 25 WORTON, ILLS.

COILED SPRING FENCE

EVERY READER OF THIS PAPER should send for our Free Catalog of Farm, Poultry and Lawn Fence. Many big values are offered. Sold direct to the Farmer saving you the Dealer's Profit.
14 CENTS A ROD UP.
Lawn Fence 6c. a foot. Barbed Wire \$1.45 per 10-rod spool.
Coiled Spring Fence Co., Box 28 Winchester, Indiana.



THE FARMERS MAIL AND BREEZE

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For a State Unit

A Rural School System as an Experienced Teacher Would Have It

By **WALTER J. ROBB**
Formerly in the Philippine Service

WITH all the improvement and progress of the last ten or twenty years in the region throughout which the Farmers Mail and Breeze circulates, one institution, the country school, remains unchanged and apparently unchangeable. Sheds have grown to modern barns but the little box school has retained its old time proportions. While shanties have been transformed to comfortable dwellings, or even to mansions in many cases, the little district school house is just about as it was in 1875. Low-roofed, severely lined, squatting in the midst of unkempt and inadequate grounds, it is, in too many places, the same as it was when the farms which surround it were largely an experiment in sorghum, sodhouses and cow chips. Better machinery and infinitely better methods have come to the fields, but scarcely a better teacher has come to the school, while the text matter remains the same—as remote from the needs of the patrons as peace from the nations of Europe. Yet the people concerned are for the most part conscientious about the welfare of their children, anxious above all that they shall receive education. If they have not materially bettered educational facilities in twenty years, it is not because they have not wished and labored to do it.

But the children do not like to go to school. Who may blame them? The boys, especially, drop out at an early and a potential age. Who may blame them? At school they are tormented by an inexperienced young woman teacher who prattles about subject matter utterly meaningless to them, and concerning which, try as they may, they can provoke no interest. They are interested in calves and colts and sheep and pigs, wheat growing, corn growing, and all things else that their fathers like and which seem worthy of a farmer boy's attention. But of these things they are never taught! Why?

The truth is that our country communities are victims of an out-worn and inefficient law, fostering an organization which makes advancement with changing needs and conditions almost impossible.

Why not change all this, substituting for the old law a better law? And for the old hit-or-miss school board procedure why not have technical organization and system? Why should the virile youth of our rural communities be further tortured at the innocent hands of tripping high school graduates? Let every man who reads bring this question close home and make up his mind from the school history of his neighborhood as he recalls it, and from what will be history when spring shall have come. Also let him ruminant thoughtfully upon the following outline:

A state director of education elected by the people and removable only by a re-call vote.

Two assistant directors of education—one responsible for rural schools; one for city schools.

A superintendent of schools for the county and for the town, appointed from a list of eligibles by a civil service board.

Educational assistants serving under the local superintendents, who in turn are inferior to the director; appointed in the same way.

Class room teachers and special instructors appointed in the same way.

All school taxes to be payable to the state, and all employees to serve for yearly stipends from the state, with a pension provision for long and efficient service.

Think for a moment. If this were law the vital matter of public education would be in the hands of technical men and women, directly responsible to the people, whose whole interest, pecuniary and professional, would be the present and continued success of the public schools. The petty politics of still more petty school officials would be forever eliminated; for people in the civil service politics means death. Some of the local superintendent's assistants would be: Supervisors of music, athletics and sports; domestic science; farm demonstration work; academic instruction.

The steps of promotion for a teacher would be from classroom to supervising work, from that to division county or town superintendent. The re-call provision could be made to apply to the lowest classroom teacher, but there would not be the need. The public's most effective influence would be, as always, in its opinion; no teacher could receive promotion or continue in the service in the face of dissatisfaction which investigation proved well founded.

Immediate and general improvement would result from arrangement of school affairs upon some such basis as this. First among benefits would be the weeding out of incompetents, and the specializing of training for the competent. By such a plan the whole state would be thrown into a single school unit, with the counties and school districts as integral working parts. Active co-operation with the agricultural and normal schools, and with the universities, would be established. Any movement starting at the head, the state director's office, would permeate the whole school body to its most remote extremes. Responsibility would be definite and clear. The people, without undue trouble and without neighborhood quarrels, would get the service for which they paid. It would be somebody's sole business in life to see that they did get this service, and they would have this somebody right by the ear. They could twist whenever they felt the spirit move them!

But under the present system, really no system, school business is in particular nobody's business. Nobody has a grip on things. The state superintendents are adept at handshaking and storytelling at normal institutes. Whatever powers they have they are painstakingly cautious in wielding. Too

many use as their motto, "Peace at any Price."

The district boards are farmers, busy, successful men. But their success is not with the schools. Even here they know what they want, but despair of getting it. Besides, they have no time for school matters. They did not want their jobs in the first place. These positions of dubious honor and infinite bother often are forced upon them at the school meetings by cheerfully side-stepping neighbors. And they will be cashed at the first opportunity, depend upon it. To most of the farmers serving on the school board is a nuisance. School matters coming up usually find them plowing over in the south field, or disking out in the orchard, or taking a constitutional with the hoe. They are busy.

Now: Between the state superintendents who must ingratiate and get out boastful reports for other state superintendents to envy, and the county superintendents many of whom follow the course of least resistance, smiling upon everyone and kissing all the new babies; between these and the district school boards, who fidget around and wish they were well out of the muck, how does the situation work out? Can you conceive of a more perfect machine for the grinding out of education which fails to educate?

Teachers now receive certificates, third, second, first grade, or state. These are obtained by fulfilling certain conditions, chief among which are attendance at county institutes and submission to periodical examinations in certain stipulated subjects. Each class of certificate is valid for a stated time. A state certificate is permanent, usually with several strings tied to the permanency.

Armed with one or another of these precious documents, the teachers go out through the country to get places for the winter. This procedure is complicated by the fact that school districts vote varying tax levies and pay higher or lower salaries in consequence. The result is chaos. Applicants scurry about diligently haranguing school board members—busy farmers who have to go by guess and by gad in the matter—to sign their contracts. For, with a contract signed teachers are sure of a meager livelihood for a term. Best districts are visited first; then seconds; finally, in desperation, thirds. It has, however, never been definitely brought out that the boys and girls of \$40 districts are less deserving of education than are those in \$60 and \$80 districts. The state is presumably equally interested in all; and the constitution guarantees to all equal opportunity; but the school laws nonchalantly take this equal opportunity away. No one may blame the teachers; the fault is in the law.

That the schools are not worse argues that for the most part the teachers, though obliged to be self-seeking, are doing

the best they can under distressingly adverse circumstances. The painful fact remains, however, that the schools limp along under their guidance, more depleted in numbers every year and farther behind the times. If from such a brainless system any other result could be expected, I don't know what it is. Furthermore, I don't like to guess. It is a sort of treadmill, built of little children's souls, on which the harrassed teachers are obliged to tramp, tramp, tramp, and get nowhere, throughout long, embittered years. As long as it remains unaltered on the statute books of any state, it is a crimson blot upon that state's civilization.

Would it not be infinitely better to assign all teachers through competent and informed authority to the places they were best able to fill; and to retain them in such positions as long as they, through the advancement and progress of their work, merited retention?

We may not come to it for years, but, anyway, let us picture for a moment the transformation. The district school has been abolished; a graded school has taken its place. There is in the new school, an ennobling example of suburban architecture; a library of selected books and copies of world-famed pictures; a gymnasium, readily to be changed into a ball room, a basket ball court, or a place for school theatricals; a swimming tank; a music room; a museum for garden and field specimens; a domestic science department; sanitary toilets and dressing rooms; a hallway with great swinging doors that never lock! A janitor!

Outside back, there is a standard baseball field, encircled with a standard running track. Football and polo are provided for; in front there is a lawn; a fountain; graveled path and drainage ditches run wherever needed; wide driveways lead up to the doors; on one side are shops for manual training; on the other are homes for the teachers who are appointed by a civil service board through the director of education of the state.



DEPARTMENT EDITORS
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Entered as second-class matter Feb. 16, 1906, at the postoffice at Topeka, Kansas, under act of Congress of March 3, 1879.

SPECIAL TO ADVERTISERS.
 Changes in advertisements or orders to discontinue advertisements must reach us not later than Saturday morning, one week in advance of the date of publication. We begin to make up the paper on Saturday. An ad cannot be stopped or changed after it is inserted in a page and the page has been electrotyped. New advertisements can be accepted any time Monday. The earlier orders and advertising copy are in our hands the better service we can give the advertiser.

The Farmers Mail and Breeze

Member of Audit Bureau of Circulations.

Published Weekly at Eighth and Jackson Streets, Topeka, Kansas

ARTHUR CAPPER, Publisher. T. A. McNEAL, Editor.
 CHARLES DILLON, Managing Editor. A. L. NICHOLS, Associate Editor.

E. W. RANKIN, Advertising Manager.

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No liquor nor medical advertising accepted. By medical advertising is understood the offer of medicine for internal human use.

ADVERTISEMENTS GUARANTEED
 WE GUARANTEE that every advertiser in this issue is reliable. Should any advertiser herein deal dishonestly with any subscriber, we will make good the amount of your loss, provided such transaction occurs within one month from date of this issue, that it is reported to us promptly, and that we find the facts to be as stated. It is a condition of this contract that in writing to advertisers you state: "I saw your advertisement in the Farmers Mail and Breeze."

Passing Comment —By T. A. McNeal

Shipping Munitions Of War

A subscriber writes me asking my opinion on an embargo on the shipping of arms and munitions of war to the belligerent nations. If I had the power I would not only stop the shipping of arms and munitions of war to the belligerent nations but to all other nations also.

My sympathies are with the allies and quite strongly so, because I believe that Germany and Austria are the aggressors and that Germany might have prevented the war if she had chosen to do so. But neither my sympathies nor the sympathies of any of us should be permitted to blind our judgment or sense of fairness.

It is no doubt true that under present conditions the shipping of arms and munitions of war from the United States benefits the allies and hurts Germany and Austria. It is also true that the United States is not responsible for the condition that makes this so, and therefore it is argued with some plausibility that the embargo on the shipping of arms and munitions of war would be an unfriendly act because it would deprive the allies of an advantage they have gained fairly by reason of their more powerful navies.

But suppose the conditions were reversed and Germany had control of the sea. Is it not reasonable to suppose that the allies would complain that the shipping of arms and munitions of war to Germany was helping that country directly to conquer them? If it would be unfair to permit the shipping of arms and munitions of war to Germany if she had control of the ocean it cannot be denied that it is also unfair to permit the shipping of arms to her enemies. However, it would be no benefit to place an embargo on the shipping of arms and munitions of war to belligerent nations unless the embargo was made general. The proposition made in congress recently would tend only to get us into more trouble than we are in now. Shipments of arms and munitions still could be made to any neutral nation like Spain or Italy or Holland and from there supplied to the belligerents.

Suppose, for example, the arms were shipped to Spain. That nation while neutral, is known to be friendly to the allies, more especially to France. Spain has no embargo on arms and munitions of war and consequently the arms would immediately be shipped to France. The allies in that event would have the arms and munitions of war and the United States would have acquired the enmity of both sides.

As I said in the beginning, if I had the power I should forbid the exporting of arms and munitions of war to any nation, but an act limiting the embargo to the belligerent nations would be worse than no act at all.

The Rights Of Union Men

It has been several weeks since the Supreme Court of the United States handed down its opinion in the Kansas case overturning the Kansas law which forbade the discharging of employes on account of being members of a labor organization.

The reasoning of the majority of the court—for the decision was made by a divided court—is based on the theory that the employer has the right to fix all the conditions of employment and that the employe must abide by those conditions.

In the case brought to the Supreme Court the railroad company had refused to employ a man unless he would agree to leave his union. The Kansas law was intended to stop discriminations of that sort. The court held that the employe was free to seek employment elsewhere if the conditions imposed by the railroad company did not suit him.

There was a time when a decision of that sort would have been entirely equitable, for industry had not come under the control of great corporations. Individuals were employed by individuals and the number employed by any individual was small. Under present conditions, however, it is not true that employes have a liberty of choice. They do have such liberty in theory but not in fact.

A man who has been trained as a railroad engineer for example, if discharged cannot go out and take another job as engineer for the very good reason that the job is not to be had. The great corporations are standing together and the employe discharged by one corporation is not welcomed by another corporation employing the same kind of labor. To say then that the corporation may

fix whatever conditions it pleases either in the matter of employing help or discharging help would mean that by a common agreement it could put labor unions out of business entirely.

The decision is a backward step. It is not in line with the best progressive thought of the age. The old theory that employers should have the sole right to fix the conditions of labor belongs to a past age. The consensus of enlightened public opinion will in my judgment overrule that decision of the Supreme Court of the United States.

You may say that there is no appeal from the decision of the Supreme Court, but there is one court that is still higher than that august tribunal, and that is the enlightened opinion of the people themselves. That has overruled Supreme Court decisions before this and it will do it again.

As To Hay Commissions

This letter reached me a few days ago. I hope its publication will be in time to benefit the writers:

Editor The Farmers Mail and Breeze—We would respectfully refer you to House Bill No. 1053, by Mr. Campbell of Bourbon county, Kansas.

An act relating to commission charges and other charges in regard to the sale and inspection of hay consigned to a public market in carload lots. The Hay association of Kansas City raised its rates last year from 50 to 75 cents a ton and has also added other charges.

We would respectfully ask that you, through the Farmers Mail and Breeze, urge the farmers and hay men to write their senators and representatives to have House Bill No. 1053 advanced on the calendar so that it can be voted upon at this session of the legislature, as it affects the price of every ton of hay handled by the commission men.

Your paper is published in the interest of the farmers of our state and we consider that there is no bill except possibly the livestock bill that interests them more directly than bill No. 1053 introduced by Mr. Campbell.

We hope that you will give this matter your immediate attention and we feel that Governor Capper will be with us as he is much interested in the farmers of our state. Please address all communications to D. W. Sheeler, Devon, Kan.

- | | | |
|---------------|----------------|---------------|
| D. W. Sheeler | B. F. Commons | J. L. Kopley |
| L. M. Sheeler | Al Commons | Len Kopley |
| John Snyder | E. Commons | E. Kendrick |
| Joseph Snyder | J. L. Commons | T. B. Augum |
| M. C. Snyder | J. C. Commons | James Killion |
| E. B. Snyder | J. F. Flangton | Geo. Augum |
| M. M. Snyder | D. H. Sipe | Will Sipe |
| Devon, Kan. | J. Sipe | Sewell McCrum |

She Knows the Bachelors

I have received a letter from "Mrs. Evado O'Shea," of Woodruff, Kan., who seems to have had much experience in matrimony. She has asked that her name be used—if it is her name. I rather suspect Mrs. O'Shea is romancing about her experience, but her romance is so interesting that I have decided to let it be told. Here is her letter:

Editor The Farmers Mail and Breeze—Going to the Altar is a habit with Kansas bachelors. My first husband was the best, I must confess, and the last the worst. This is my experience and how I hoodwinked the judges.

It isn't anything to have been married four times. "It's no reflection on the woman, but a decided reproach on men." I did my part, as any woman would have done. It isn't anything to my credit that I did; it was my duty to do it and I must confess the four husbands were entirely to blame. My mistake was in marrying bachelors every time.

I am only 30 if you must know. I will tell you the plain unvarnished truth because I am through with matrimony and with men. They're all alike, especially old bachelors and they are a disgusting lot until—well, they are necessary evils and I guess I had better not be too positive that I will not marry again if I could just find the right man.

My first husband's name was Odell. I met Odell at a dance just a few months before our marriage. He was a beautiful dancer, for an old bachelor and could say the sweetest things at the opportune time, and I was sure that a world of bliss and happiness would be found in a home with a bachelor like him.

Odell was employed in a gas office as a clerk. Both of us believed a man fortified with employment with a big institution like that was as substantial as a bank president who owned all the stock. I let him do all the planning of our little cottage. He told how he would furnish a lovely bungalow and the great things he would do.

He looked at books with plans of cottages with climbing vines and would take me out walking in the fine residence sections, looked at the homes of the wealthy and talked about how some day we would occupy one of those homes. Motor cars came whizzing by and Odell would snap his fingers saying, "We will have one some day." It was such a lovely time we had and if we could only be together all the while he decided we could have so much better time.

Well, the day of realization came. We went to

Omaha and were married. My parents said I was too young but Odell thought he knew best. God hadn't endowed either of us with too much sense. Odell talked mostly about the good things we would have, the good times, the lovely home and the kisses and other things. I must confess he thought more about giving hot air than buying.

Quarrel the First Day

Odell neglected to get our cottage and furnish it before the wedding. When he did get the little dab of furniture it made a sad appearance in a little two room, weather beaten house in the slums of the little town. This did not compare with the velvet rug, plush cushioned chairs, draperies, cut glass, fine china, dainty linen and the thousands of other things we had planned in his talks before our marriage.

I was disappointed and hurt and I couldn't help showing it. We had a real quarrel and started out wrong the first day. Odell insisted that he was doing the best he could, but I can see now that his spirit was broken. If he had gone into the little shack with a smile, been happy with the best he could get, things might have been different. I tried to encourage him but things got worse. He refused to shave for three months and during the entire time we lived together he never took a bath nor washed his face.

We had gone everywhere before our marriage. Afterwards we went nowhere. I wanted a pair of stockings and couldn't get them. I wanted to go to the theater and see picture shows and we didn't have the money. He began to look thin and pale on the food I had been setting before him. His digestion became bad, his temper worse. So did mine. He didn't say nice things about me any more. He didn't love me, I concluded.

Now I found myself asking, Has he given some other girl hot air and got her into the same poverty trap which he promised to be a palace? He wanted friends that I didn't want and I wanted friends that he didn't want.

I finally left him, brought suit for divorce, and forced Odell to give me half his wages and pay my lawyer.

Odell wasn't there to tell his side of it. I had a pretty face and figure and it wasn't long before I had other suitors. I had three proposals, one of them the week before I obtained the divorce.

Next I accepted Paul, the smoothest-tongued rascal of all my husbands. Yes, he could beat me at the game—at first, but my flirting education soon developed. I found plenty of opportunities. Most were married men or bachelors with skating rinks on their heads. They would invite me out to dinner and other places; funny things about men. Bachelors have them all skinned when it comes to flirts. In a quarrel one night Paul slapped me so hard it toppled me over; gave me a kick, slammed me against the door, dressed himself and left home. I haven't seen him since. I told the court what had happened and was given a divorce. "Did he have any cause to be jealous?" I remember the judge asked me. "Certainly not," I told him.

Quick Plunge This Time

The wounds of my second marriage were hardly healed when I married again. This time to another bachelor but a Catholic. Things went smoothly for a while and John, that was his name, and I were just as happy as could be. I never spent a month so happy in my life. I really believe my life and John's would have been as happy and pleasant as any married couple if things hadn't happened with his mother and father. In some way she found out I wasn't a Catholic, and that I had been divorced. John's mother and father held a council of war. They said nothing to me but they told John if he lived with me another minute they would disown him.

They insisted he not only leave me, but that he obtain a divorce. They explained that there had been no marriage between us in the eyes of the church, and that the church would recognize a divorce between us.

A Sneaking Trick

John started out bravely and I certainly love him for it, but I could see that his mother and father were nagging him to death. He didn't say a word. He went away some where, he didn't have enough nerve to tell me, neither did his parents.

It was a sneaking trick but I know now that we should have had all those things out before the marriage. He knew it but I not knowing the rules of the Catholic church didn't realize the seriousness of it. I obtained the divorce this time. Now John is married again. He obtained a dispensation from the church and married a Catholic girl. He said he still loved me, but deliver me from any more dealings with a family like that.

A Fourth Jump

So I started out to flirt again. I found one married man had been an old bachelor for years (he was not the least bit good looking) who made violent love to me. He said his wife didn't love him and that he expected to obtain a divorce if I would marry him. He was holding down a home-stead, so I thought a fourth attempt at matrimonial bliss wouldn't hurt. He obtained the divorce. I felt kind of guilty for he had a pretty little boy just eleven months old.

Well, that man was an ordinary brute. He just

drove his wife to let him obtain the divorce by fear of him, but she didn't lose anything when she lost him. He broke all the promises he made to her. Of course, I learned all these things and I simply couldn't have any respect for him. I couldn't live with a dog like that. I may be bad—the world calls me bad because I have been divorced four times but I hope never to drop to the abyss of sin where I can look a man like this in the face and with pride, call him husband. I left him in a hurry; he came begging and insisting that I live with him. That he would reform and be a good man but not for me.

I have often been asked if I was through with matrimony and must say, "Yes, if John doesn't ask me to marry him again," but he probably thinks I am beyond redemption this time. I guess I will never marry though if I do it will never be another bachelor. The old maids are wise birds and if they will only read these few lines they can see how I put four old bachelors to rest. As near as I can explain married life is a failure when one gets tied up with a bachelor.

Woodruff, Kan. MRS. EVADO O'SHEA.

Questions Answered

Are people allowed to leave brush and trees along the creeks so that they will wash down during high water? Is there a law to compel them to keep the creeks clear?

Are people allowed to let sprouts, saplings, or brush remain along the water's edge so that they interfere with the current, cause drifts, and cause the creek to cut its banks and change its channel?

There is no general statute in Kansas compelling land owners along streams to keep the channels clear or to compel them to clear away the growing brush along the banks. It is a general principle of law that one man is not permitted to do that which will injure his neighbor. He would not be permitted to impede the current of a stream so that it would overflow the land of his neighbor and if he did so might be held for damages. The legislature passed a drainage law in 1911 which provided for drainage districts controlled by boards. After a drainage district has been formed and the board organized it can make rules for cleaning out streams, straightening them and otherwise improving them.

A woman owns property, real estate in her own name. She is separated from her husband but not divorced. She wishes to will her property to her children leaving out her husband. Can she do so will it?

So long as she has no decree of divorce she is the legal wife although separated from her husband. The husband cannot interfere with her property so long as she is alive but if she should die first he would inherit half of the property.

If a husband demand that the postmaster hold all mail that comes in his wife's name till he calls for it will the postmaster have to hold it? Is he allowed to hold her mail without her consent?

If the wife mails a letter to a person, can the husband make the postmaster hold it and give it to him if the letter is in a plain envelope or with her name on the upper corner?

Can the husband give the postmaster a tip to hold all letters to and from said person to his wife? This is in Missouri.

TIED DOWN WIFE.

The husband has no right to hold his wife's private mail nor has the postmaster a right to obey any order of that character from the husband.

No. I presume the husband can give the postmaster a tip if he wishes to do so but the postmaster would have no right to withhold letters written either by the wife or to her.

An old couple who live in this state own a homestead. There are three children by the husband's first marriage and three living by the second marriage and three sons dead, all of whom were married and left widows and children. The old gentleman has made a will giving 100 acres to one son with the understanding that he is to look after the old couple as long as they live and to see that they are decently buried. The remainder of the farm, 60 acres, is to be divided equally among the other five living children, but the grandchildren are not included or recognized in this will. Is such a will valid? Is it necessary that grandchildren should be recognized in the will and is there any ground for such will to be contested by any dissatisfied heir or any dissatisfied party or parties?

W. O. M.

On your statement of facts I see no reason why the will should not stand. Of course there might be grounds for contest not mentioned in your letter, such for example as that the testator was not capable of making a will at the time it was made or that his mind was unduly influenced. The fact that the grandchildren are not recognized in the will would not be a sufficient ground for contest.

A man inherits about \$8,000 when his parents die. He gets married a few years later to a woman who has no property but who will also inherit several thousand dollars when her parents die. Now in the case of divorce does the woman get part of the man's property which he inherited, and in case of the death of her parents would he get any of the property left her by them? What states allow the man his property from his folks and the woman the property from her side and provide that what they made together be divided equally?

W. H. B.

This raises a question of alimony that would be settled by the court granting the divorce. In determining the amount of alimony the divorced husband should pay, the court probably would not consider the source from which his property was derived.

Generally speaking the husband is required to pay alimony to the wife and not the wife to the husband, so that it is not at all likely that any court would order that a part of the wife's property be turned over to her husband.

I do not know of any states that provide for such a division of property as that mentioned in the last part of the inquiry.

Would you give comments on the Panama canal through this week's Mail and Breeze? Also, if

you can, answer this question: What time in the month of March do the 29 battleships pass through the canal?

MRS. S. C. H.

The Panama canal is about 50 miles long. The channel ranges in width from 300 to 1,000 feet. The canal has a medium depth of 41 feet. It is estimated that the time required for the passage of a medium sized vessel through the canal will be 9½ to 10 hours. The great Gatun dam is 8,000 feet long on the crest and is 2,100 feet wide at its greatest width. The crest of the dam is 115 feet above sea level and 100 feet wide. The total cost of the canal so far is \$357,505,715. The distance by former water route from New York to San Francisco is 13,400 miles, by the canal it is 5,300 miles.

If the exact date of the passage of the battleships through the canal has been announced I have overlooked it. It probably will be near the last of March but the slides in Culebra cut may cause a delay.

Division of Estates

Editor The Farmers Mail and Breeze—I would like to know whether there is any law in Kansas that provides that where both parents die without will and the children are all of age, the real estate can be divided. If some of the heirs wish to sell their share of the estate can they do so? Can any person purchase said rights? How long can such estate be held and can one heir put the matter into court without the consent of the other heirs and have it sold at sheriff's sale?

Is any old writing that was written years ago good, that has no date—just a name signed to it?

Lanham, Kan. H. G.

Kansas has a law providing for distribution of estates left without will. The distribution of the estate both real and personal might be made by mutual agreement or in case the heirs cannot mutually agree, application may be made to the probate court which court can appoint commissioners to allot the estate.

Any heir could sell his undivided interest in the estate. If the real estate is not susceptible of partition it may be ordered sold.

Your question concerning the validity of a writing is so indefinite that I am not able to answer it. A writing might be binding that had no date. It would depend entirely on the nature of the writing.

A Frenchman's View

Editor The Farmers Mail and Breeze—I have always had the highest opinion of you and I considered your comments nearly as impartial as could be given, with much logic and truthfulness. In fact I almost had concluded that it was useless to argue with you as you always had the better of your opponents. I find to my sorrow I must admit that it won't do to idolize, as the idol is very subject to error.

In your last answer to a German upholding the kaiser you seem to have lost your previous independence in the matter and got weak kneed. Was it to flatter the German element that you said you had never taken France seriously; that you had considered the French nation as decadent and far inferior to the Germans? I am inclined to look at it that way for it is almost impossible for me to believe that a man so widely acquainted with all kinds of subjects could so grossly ridicule a nation well worthy of better mention.

If France is not to be taken seriously then she must be a joke. Can anyone, Mr. Editor, point out to me the period of French history when France or the French people could have been taken as a joke or decadent? After Rome, France was the first nation in Europe where thousands of men died the death of martyrs for the sake of Christian principles, the foundation of modern civilization. She fought and won the battle of Charlois sur Marne against the Huns, led by Attila, the bloody scoundrel who had ordered his soldiers to give no quarter. The kaiser of Germany, as fate or Providence willed it, was defeated on the same battleground.

France started the Crusades and for centuries led the world in progressive and civilized attainments. Up to the Sixteenth century she was still in the lead, all nations taking France as a model. From the Sixteenth century on the French writers and philosophers in the face of death or imprisonment boldly championed the ideas of liberty, their efforts culminating in and being crowned by the American and French revolutions. Our great Benjamin Franklin lived in France 15 years, loved her and was a great factor in obtaining millions of dollars and thousands of men to help free the American colonies.

Was France decadent or a joke when she first cast aside the rule of monarchical tyranny and spread broadcast the ideas of liberty, equality and fraternity? Was she decadent or a joke when her revolution made it possible for the most of the European nations, Germany included, to substitute constitutional forms of government for oppressive autocracies? Was she decadent when, later, after a disastrous war brought about by a corrupted government, she paid billions of dollars for war indemnity and her own war expenses and yet recovered and managed in a short time to build up one of the most powerful colonial empires in the world, with the people of those colonies not only willing but proud to wear the French uniform, fight for France and die for her flag?

Is she decadent when her armen surprise the world by their feats of daring and her chauffeurs win first prizes almost everywhere, even in this country? Is she decadent and a joke when she is now able to stop, though relatively unprepared, the assault of the most powerful military machine the world has ever seen? Is she a joke or decadent when every one of her able-bodied citizens is willing to lay down his life to preserve his country and his liberty—and allow me to tell you, Mr. Editor, no such liberty as we have here but an absolute individual liberty founded on the principles of the rights of men "les droits de l'homme" a liberty for which France has already shed plenty of blood.

France has done too much for the independence of others, this country in particular, to be taken as a decadent nation and right now she is preparing to destroy the barbarism of German militarism. With the help of England, her sister in civilization, she will eradicate the cancer which is eating away the energy, the blood, the very life of

nations and to both, humanity will owe another debt of gratitude.

L. DE BEUGE.

Reading, Kan. P. S. I have just now read your answer to "A German Protest." This forces me to take back what I have said in this letter in regard to your having lost your previous independence and got weak-kneed. That was a moderate, dignified, truthful as well as forceful answer.

L. D.

My statement that I had been inclined to regard France as a decadent nation and that I had not taken her seriously was an honest expression of opinion. My mind had been influenced largely by reading the reports of the Dreyfus trial and the Caillaux trial from which first trial I somehow gathered that impression that the government was corrupt, and from the latter trial that even the courts were frivolous. However, the conduct of the French people within the last few months has shown that my former estimate must have been wrong. They have shown a poise, a steadfastness, calmness and self possession under great trial and hardship that I did not think they possessed. I did not doubt their physical courage, but their steadfastness has been a surprise to me. I will frankly confess that Mr. DeBeuge is right and I was wrong. France is not a decadent nation.

A Successful Co-operative Association

Writing from Caldwell, Kan., J. U. S., a director of the Farmers' Exchange says:

Editor The Farmers Mail and Breeze—I often have read of farmers organizing business associations but very seldom see an extended report of the business transacted by them.

A gentleman from Oklahoma visited our place of business when we first opened up and told me that the farmers started a business association where he resided but that more than half of them stood around on the street hollering about the management, kicked on this thing and that and the larger the crowd that gathered, the louder they hollered, "The fool farmers will not stick together," until they hollered the association to death. Then blamed the manager.

We at this place were more fortunate, as out of the first 40 men who put in \$10 each (making \$400 to begin on) only nine stood around on the streets hollering, "I put \$10 in that farmer's store. It is not being run to suit me, my \$10 is as good as gone. You fellows that have not put any money into it better stay out for the fool farmers will not stick together, the thing will go broke and we will be assessed to pay the loss."

Then there were only seven more who wanted a job or had a relative who did and because there was but one job and a half to hand around it was surprising to see the underhanded work that was done by some of these men while they were all the time playing above board that they were staunch supporters of the store. Twenty-four of our first members stuck, they gave some of the intelligent farmers their money back which stopped most of the hollering and induced others to join the association.

The dividends have been taken in stock up to the present time and we have grown to 120 members.

Inventory and Report, December 31, 1914.	
Merchandise and produce on hand.....	\$4,810.00
Coal bins, poultry sheds and fixtures.....	1,319.01
Outstanding accts., produce and comm'n.	
on cream	214.83
Cash on hand.....	27.41
Total assets	\$6,371.30

Capital stock sold.....	\$3,539.06
Borrowed money	1,000.00
Interest due on borrowed money	21.00
Liabilities	\$4,580.06

Surplus \$1,791.24

Everything in the inventory was discounted which explains the small amount of cash. Distribution of surplus: \$150 was paid to the patrons of the cream room in proportion to patronage. \$189 was charged off of shed and fixture account. A 6 per cent cash dividend or interest was paid on the stock. A 10 per cent stock dividend was paid on the purchases of goods in proportion to the purchases excepting that no dividend was allowed on goods on which a profit of less than 10 per cent was charged. The cause of the latter was that some of our members seldom purchase anything at the store unless it is cheaper than anywhere else and on which a very small profit is made.

About 35 per cent or 40 per cent of the business was done with non-members, which is reasonable evidence that the price paid for produce or the selling of merchandise was not very much out of line. The fact of the matter is that everything that we handle is sold at a less profit than before we began business.

Five members purchased between \$300 and \$400 of dividend goods, nine between \$200 and \$300, 44 between \$100 and \$200, 24 between \$50 and \$100, 11 between \$25 and \$50, nine between \$10 and \$25, 14 purchased less than \$10.

Four members are non-resident and simply took stock to help the association when some of the members were trying to holler it to death.

Expense Account.	
Clerk hire and manager's salary.....	\$2,740.00
Extra help on Saturday.....	144.00
Fuel and electricity.....	140.00
Rent of store room.....	600.00
Advertising.....	180.00
Telephone.....	24.00
Postage.....	36.00
Taxes.....	49.00
Street sprinkling.....	20.00
Night watchman.....	13.00
Commercial club dues.....	12.00
Incidentals.....	47.20

Total

Produce Handled.	
Cream	67,000 lbs.
Poultry	46,800 lbs.
Butter	2,600 lbs.
Eggs	31,290 doz.

The stockholders unanimously elected the old manager for another year.

J. U. S.

J. U. S. neglects to state what period is covered by this report. I assume that it is a report of the first year's business but do not know. If it shows the growth of business for one year, considering the very small beginning, I think it is remarkable but I am sorry the writer was not more explicit about the time covered.

The Lawmakers

A Contest Over Appropriations Was the Week's Chief Legislative News

Thirty-one senate appropriations	\$7,214,650
Appropriations, 1913, same purposes	5,693,542
Total 31 increases proposed by senate	1,521,107
Thirty-one house appropriations	6,179,580
Senate excess over house ..	1,035,070
Auditor's recommendations, same purposes	5,941,764
Senate excess over auditor's figures	1,272,886

IF the appropriations already agreed upon by the Democratic state senate are allowed to stand, the legislature of 1915 will appropriate approximately 1 3/4 million dollars more than was appropriated by the legislature of 1913. And the legislature of 1913 set a new record in Kansas history with an increase of \$538,000 over the preceding legislature, making total appropriations of \$8,923,919.

This 1 3/4 million dollar increase the Democrats in the senate are planning to put over in face of the fact that there has been a widespread demand from the people of Kansas for economy and efficiency in state government, instead of extravagance and waste; despite the party platforms calling for retrenchment, and the message from the governor calling attention to the fact that conditions this year do not justify any appropriations not absolutely necessary.

Know It Means High Tax.

S. T. Howe, chairman of the state tax commission, has issued a signed statement that unless the legislature appropriates 1/2 million dollars less than did the legislature of 1913, the tax levy will have to be increased.

In the biennial report of W. E. Davis, state auditor, he recommended for the same purposes covered in the 29 senate bills so far acted on appropriations of \$5,941,764 as being sufficient to meet the needs of the institutions. The senate so far has boosted the auditor's figures a trifle more than 1 1/4 million dollars, and is apparently not through yet.

While the house ways and means committee had not reported on the education institutions under the board of administration when this paper went to press, these have been practically agreed upon. The amount to be allowed for a new building at Hays still is under discussion, whether to allow \$125,000 or \$100,000, with the chances favoring the \$125,000 appropriation. If this prevails the house figures for the same purposes as the senate bills acted upon will be \$5,272,300.

House Million Below Senate.

The house or the house committees practically have agreed upon three new buildings for the state schools, at Emporia, Manhattan and Hays. They have adopted in most instances the maintenance and repairs appropriations to the amount recommended by the state auditor. In some cases they have allowed more than was asked. They have allowed new buildings for Parsons, Larned and the Norton sanatorium.

As the matter now stands the house would appropriate \$1,035,070 less than the senate would allow for the same purposes. And at that the house figures are \$486,037 more than the corresponding appropriations of 1913, and \$237,815 over the recommendations of the state auditor.

Other Figures Not Included.

The figures here given, both for the house and the senate, do not include the deficiency or emergency appropriations for these institutions, which already amount to nearly \$300,000, including \$187,000 for the Pittsburg Normal, \$30,000 for the penitentiary, \$50,000 for the penitentiary revolving fund, \$20,000 for the Norton sanatorium, and some \$10,000 in miscellaneous appropriations.

Two years ago the Democratic legislature appropriated a comparatively small amount for new buildings. This year the Democratic senate and the Democratic ways and means committee are showing unusual liberality in allowing appropriations for new buildings.

Where the Democratic legislature of 1913 appropriated only \$45,000 for new educational buildings, \$20,000 of which was for a barn at the agricultural college, the senate ways and means committee has recommended appropriating \$961,350 for new school buildings, which amount includes \$90,000 which was appropriated for the schools in 1913, but which has not been spent.

Where the legislature of 1913 appropriated for new buildings at the state's charitable institutions a total of \$154,347, including \$49,347 unexpended in the preceding biennium, the Democratic senate so far has passed bills allowing a total of \$385,000 for new buildings at these same institutions, and this latter amount does not include an appropriation of \$50,000 for extensive repairs at Osawatimie in lieu of a new building there.

\$1,145,000 Increase for Buildings.

This makes the total for new buildings at the state's charitable and educational institutions as favored by the Democratic senate just \$1,346,350. Two years ago the Democratic legislature, when a Democratic administration was paying the bills, appropriated a total of only \$199,347 for new buildings at the same institutions.

The records show that for the twenty-five year period beginning with 1891 and ending with 1914 the state has invested \$2,717,209.79 in buildings at the state schools for higher learning.

Not So Liberal in 1913.

It might also be remarked that the same Democratic senate two years ago, when a Democratic administration would have had to foot the bills, was not so liberal. It allowed only \$166,982 for new buildings and permanent improvements at the educational institutions. It might be noted that the \$166,982 in 1913 included permanent improvements as well as new buildings, while the 1915 senate appropriations of \$961,350 are for new buildings only.

In other words, the same senate has discovered that in 1915 the state schools need approximately six times as much new room as they did in 1913. The following summary gives a few facts on new building appropriations for the state schools:

In a quarter of a century	\$2,717,209
Senate allowance for next two years	961,350
Same senate thought necessary two years ago	166,982

A codification and revision of all the laws governing the construction of bridges was agreed upon by the house committee on roads and highways, and was introduced as a committee bill by Gray of Phillips, chairman of the committee. While based largely on the Kincaid measure, the bill embodies sections also from the Bird and Caudill bills, worked over by these three and Chairman Gray on a subcommittee.

The bill places the plan and specifications absolutely in the hands of the state highway engineer and the county engineers. Bids must be made on blanks furnished by the county engineers but drawn up by the state highway engineer. This will do away with the submitting of bids with specifications that practically limit the letting to one company. The measure differs radically from the county commissioners' bill, which provided, in effect, that if the county commissioners didn't like the specifications laid down in the proposed law, they could dump them overboard and let the contracts on any specifications they chose.

A New Gate Bill

The senate has passed Senator Frances Clark's "gate" bill. This allows the coun-

ty commissioners in grazing districts to allow the building of fences across the public highways and to order gates left at convenient intervals. The county commissioners also may regulate such gates, ordering them opened for any period of the year.

To Aid the County Fairs.

Senator Jonathan Davis has introduced a bill for a revolving fund of \$15,000, to be handled by the board of agriculture, to aid all county and state fairs in Kansas.

State Bank Examinations.

Senator J. D. Joseph has introduced a bill to require the state bank commissioner to make an examination of every state bank at least twice a year.

Hunting On Your Own Land.

Hunting and fishing on one's own property without a license is the provision of a bill introduced by Drummond of Norton. Under the present fish and game law several farmers have been arrested for hunting on their own land.

More Care With Explosives.

Wagoner of Cherokee has introduced a bill to compel persons and corporations handling explosives to provide safe storage.

Away With the Assessor.

Coffin of Morris sounded the death knell of the county assessor and his deputies in a measure introduced in the house. The county clerk is to do this work.

Many Railroad Petitions.

More than 150 petitions have been presented to the senate. Most of them were in opposition to the enacting of laws which will cost the railroads of the state more money and give them an excuse for asking higher rates. Lately a considerable number have been received protesting against changing the state game laws to conform with the federal game law.

To Reduce Campaign Expenses.

Campaign expenses in Kansas will be limited to 10 per cent of the salary for which the officer is running, if the senate sees fit to approve the action of the house in passing the Jocelyn measure to cut down the high cost of candidacy. The bill was amended to exclude candidates from its provisions who are running for offices where the salary is less than \$500 a year. These candidates are allowed to spend \$50 either at the primary or the general election.

Another Mortgage Law.

A bill providing for the cancelling of mortgages, unless foreclosed or renewed within a year after maturity, was introduced in the house by H. Llewellyn Jones of Meade. By the terms of the bill the holder of a mortgage is required either to foreclose or to make a contract of renewal within a year.

Concerning the Game Birds.

Senator J. F. Overfield of Montgomery county has introduced a bill to encourage the artificial propagation of game birds and animals. At present the title to all game birds and animals is vested in the state. The Overfield bill would class game birds and animals reared in captivity as domestic animals. As such, their owners would have the right to kill them out of season, the same as other domestic fowls and animals.

To Aid In Mortgage Taxation.

On the ground that a mortgage registration fee would equalize the taxes paid by Kansas investors and those paid by outside capital, which under the present law, escapes taxation in Kansas, W. A. Layton of Osborne has issued a statement on the mortgage registration fee bill. Layton was a member of the conference committee, made up of members of the house and senate committees on assessment and taxation, which drew up the bill. In support of the measure he says: "The law would create a more equitable distribution of the taxes to

be received from the mortgages of record in the state than the present law affords. At present we are able to get only 68 million dollars of the 300 million dollars of mortgages of record in our state for taxation, while under the registration fee bill we would be able to get all the mortgages on the tax list.

Much Enthusiasm Was Shown.

At last, the ways and means committee of the house has found a bill entirely to its liking and has reported favorably on a measure without so much as a single amendment. The representative who is in so good with the committee is George B. Ross of Rice. His bill puts \$15,000, accumulated in the revolving fund of the state grain inspection department, into the state treasury. Any other member of the house reversing the usual order of things and putting money in the state treasury will have his bill treated with equal kindness and consideration by the committee.

Another Irrigation Law.

Senator Paul Klein has introduced a bill for a state appropriation of \$500 to build a dam across the Walnut river near Ness City, for use in irrigation experiments.

No More Fish Stories.

The right of the amateur angler to tell fish stories to his wife and friends, or at least his right to prove his stories, was attacked in the house by the introduction of a bill by Holderman of Butler. The Missouri valley football conference has nothing on the Holderman pure-fishing measure when it comes to laying down rules for clean amateur sport.

No bass or crappie can be sold in Kansas, says the bill. It gives absolutely no chance to the man who already has invited friends to dinner and has had luck on his fishing trip. Moreover, you can't be a game-hog. No one person is to catch more than ten bass or crappie or ten of both in any one day. To be eligible to be taken from a stream a bass must be 10 inches long and a crappie 9 inches long.

Official Scales For Towns.

An act to put scales in all the cities and towns of the state, and providing a city weighmaster, was introduced by Coffin of Morris.

Another Board Is Dropped.

Another administration measure was passed by the house when that body voted to abolish the irrigation board and turn the work over to the irrigation engineer at the agricultural college for the next two years. As passed, the Pettijohn measure allows the present members of the board to hold over until July 1, but a joker in the bill allows them no salary. The moneys in the irrigation fund at present are to be turned over to the board of administration, and the section providing an appropriation for the rest of the present fiscal year was taken out of the bill.

Only 18 members of the house voted against the bill on passage. There was almost no discussion on the subject of abolishing the board. It was taken for granted that the board was unnecessary, and was not doing anything worth while.

To Protect Tax Titles.

Wilmoth of Cloud has introduced a bill to require the county treasurer, whenever any tax title is bought, to notify the owner of the property who has paid the back taxes, the amount, and the amount needed to redeem the titles. The measure is intended to do away with the practice of buying tax titles and then compelling the owners, ignorant of the law in the case, to pay much more than is due to get their property back.

No Hail Insurance Business.

Kansas counties will not be allowed to go into the hail insurance business if the report of the house judiciary committee is accepted. The committee has killed the Mahurin bill enabling counties to

(Continued on Page 37.)

The Capper Contests

Kansas Boys and Girls Will Have an Opportunity to Win Valuable Prizes Again This Year

By V. V. DETWILER

WE HAVE good news for the boys and girls of Kansas this week, the announcement of the Capper corn, kafir and tomato contests for 1915. There will be four of these contests this year. Three of them will be for boys and one for girls.



Ralph Muir.

The winner in the Acre Yield of Corn contest will receive a large silver trophy cup. The second and third prizes will be bronze medals, and the next 10 contestants will get honor diplomas showing their record. The same list of prizes will be given in the Acre Yield of Kafir contest. A cash prize of \$25 will be given for the best 10 ears of corn exhibited at the Capper Boys' Corn show in Topeka December 11, 1915. The other prizes to be given in this contest are two bronze medals and 10 honor diplomas. The Capper Girls' Tomato contest also carries a \$25 first prize. Bronze medals for second and third places, and honor diplomas for the next 10 will be given.

You'd Better Try.

You will find it worth while to try for these prizes. You have nothing to lose by it, and an excellent chance to gain a lot of honor and a valuable prize. There are no entrance fees to be paid. You will have the crop you grow to pay for your work, and your prize will be just that much extra. You know just what you could do with \$25, and here is what one of last year's prize winners says about his silver trophy cup:

I received the silver trophy cup and think it is just fine. I value it higher than \$25 because it has the governor's name on it, and it is something I can keep and prize as I grow older. RALPH MUIR, Salina, Kan.

The corn and kafir is to be grown on a measured acre by a Kansas boy not more than 18 years old. The work is to be done by the contestant. The girl who enters the tomato contest will grow her crop on a plot of ground 33 feet square, the same as last year. The age limit in this contest is 18 years. She may have help in preparing the ground, but she must do the work of planting and caring for the crop.

Boys and girls who enroll in these clubs with the proper spirit will not wish any one to do work that they can do in connection with their club projects. There are certain tasks, however, especially in the girls' contest, that make the employing of help necessary. For example, the Tomato club girls are not required to do such work as plowing or spading, and frequently some of the boys find some of their work too heavy for them. It happens now and then too, that a contestant is ill when his crop needs attention. In all such cases, the securing of additional help will be permissible, but whenever such help is secured, contestants will be expected to give a complete report and charge the expense to the cost of production.

Capper Boys' Corn Club.

Age: 10 to 18 years.
Time of Enrollment: January 1 to May 1.

Project: To select seed, prepare seed bed, plant and cultivate one acre of corn. This acre must be rectangular in shape. It may be 80 rods by 2 rods; 40 by 4; 20 by 8; 10 by 16; or 32 by 5. This acre need not necessarily be excluded from other fields of corn, but it must be rectangular in shape and all in one tract.

At harvest time, every Corn club member will be expected to have some disinterested party measure his plot to verify the fact that he has just one acre, and to see that the harvested corn is weighed properly. Blank certificates

for these measurements and weights will be furnished.

Basis of Award:
Yield 30 per cent
Largest profit 30 per cent
Exhibit of 10 best ears 20 per cent
Records and story of "How I Made My Crop" 20 per cent

Capper Boys' Kafir Club.

Age: 10 to 18 years.
Time of enrollment: From January 1 to June 1.

Project: To select seed, prepare ground, plant, cultivate and harvest one acre of kafir. As with the corn, the plot must be rectangular and in one tract, and the report must be verified by a disinterested party.

Basis of Award:
Yield 30 per cent
Largest profit 30 per cent
Exhibit of 10 best heads 20 per cent
Records and Story of "How I Made My Crop" 20 per cent

Capper Girls' Tomato Club.

Age: 10 to 18 years.
Time of enrollment: January 1 to May 1.

Project: To grow tomatoes on a plot 33 feet square, or such other dimensions as to contain 1,089 square feet. The ground must be in one rectangular tract.

The Tomato club members should se-

lect the interest in it that it deserves. All you will need to do is to choose the 10 ears that you think are the best grown on your acre, and send them to the show. It will cost only a small amount for postage, and if your exhibit is the best at the show you will win a \$25 prize. Often it is the case that the boy who wins first in the show does not have a record yield. So you see if you do not win a prize on the quantity of corn you grow, you may be able to win the prize for quality. You can enter two or more contests, but you will be eligible for only one prize. For example, if you are the best in one contest, and second best in another, you will receive only the first prize.

In figuring the cost of production and profits, estimate rent at the rate of \$3 an acre, your time at 10 cents an hour, hired assistance at 15 cents an hour, and the time of each horse at 10 cents an hour. Count all commercial fertilizers at just what they cost you; count barnyard manure at \$1 for a 2-horse load of about 1 ton.

This is the eighth year that Capper contests have been conducted for boys and girls of Kansas. Here is the com-



Otis Stevenson,



Roy Mehrwein,



Floyd Killion,



Cecil Glick.

Corn and Kafir Prize Winners in 1914.

cure seed, raise their own plants and get them out as early as possible. The first fruit on the market often brings a fancy price. Accurate records of all expenses and receipts must be kept so that a correct report can be made of net profit. In case some of the fruit is used on the home table, a record either by weight or by dry measure should be made of the amount so used, and credited to the account at market price.

When the market price of fresh tomatoes from the garden is less than \$1 a bushel or when it is impossible to reach the market in time to dispose of fresh fruit, you are urged to can your product. Instructions and recipes for the canning of tomatoes will be sent to all contestants who request them.

Basis of Award:
Largest yield 50 per cent
Largest profit 25 per cent
Records and Story 25 per cent

The corn show to be held in the Capper building at Eighth and Jackson streets, Topeka, Kan., December 11, will be the largest one we ever have held,

plete list of prize winners in the Capper corn, kafir and tomato contests conducted by the Farmers Mail and Breeze in 1914:

BEST FARMED ACRE OF CORN CONTEST.
Trip to Manhattan, Floyd Killion, Devon.
Bronze medal, G. H. Delfelder, Effingham.
Bronze medal, Chester Hudson, Wakeeney.

BEST ACRE YIELD OF CORN.
Trophy cup, Ralph Muir, Salina, 87 4-10 bushels.
Bronze medal, Walter Delfelder, Effingham.

BEST SINGLE EAR OF CORN.
Trophy cup, Cecil Glick, Olin, Iowa.
Bronze medal, Jay Lawrence, Coschocton, Ohio.
Bronze medal, Lewis Bevan, Clarksville, Ohio.

Honor diplomas to the following:
W. M. Groninger, Bendena, Kan.
Pete Reed, Ft. Scott, Kan.
Deckey Jones, Ottawa, Kan.
Ellsworth Bailey, Unlontown, Iowa.
Olin Meyer, Overbrook, Kan.
George Shaffer, Spencerville, Ohio.
Ray C. Johns, Emporia, Kan.
Glen G. Smith, Waverly, Kan.
Harold McPeak, Tecumseh, Kan.

Arthur Hartsell, Limestone, Tenn.

BEST ACRE YIELD OF KAFIR.
Trophy cup, Otis Stevenson, Garden City, Kan.

BEST DISPLAY OF FIVE KAFIR HEADS.
Trophy cup, Roy Mehrwein, Whiting, Kan.
Bronze medal, Lonnie Williams, Matfield Green, Kan.

CAPPER GIRLS' TOMATO CONTEST.
Trip to Manhattan, Bertha Readicker, Louisburg.
Folding camera, Georgia Griffith, Cedar Point.

Bronze medal, Audie Sprout, Neosho Falls.

Honor diplomas to the following:
Emma Johns, Emporia;
Opal Haynes, Girard;
Olive Early, Harveyville;
Esther Dizmang, Kenia;
Eula Johns, Emporia;
Nora Chandler, Emporia;
Gladys Chandler, Emporia;
Carrie Hayden, Devon;
Edna Bruner, Wauneta;
Lillian Casebolt, Burden.

"My acre of ground is in a bend of the creek," says Ralph Muir of Salina, who grew 87 bushels and 30 pounds of Boone County White corn on a measured acre last year. "I covered the ground with stable manure in the winter, eight loads in all. I double disked my acre April 18, and listed the corn May 6. The corn began to come up May 14. There was a 1/2-inch rain May 15. When the corn had been growing for a week I cultivated it the first time, throwing the dirt away from the plants. The day after this cultivation there was a 1-inch rain. Five days later I cultivated the second time. The cultivator was again set to throw the dirt away from the corn, because the plants were still too small to have the dirt thrown toward them. Another 1/2-inch rain came June 10, and the third cultivation was given June 13. This time the dirt was thrown toward the corn. Two days later there was a 3/4-inch rain, and June 21, 1 1/2 inches more fell. I hoed my corn June 23, and cultivated it with a one-row six-shovel cultivator on June 24, and again on June 27. There was a 2-inch rain June 30. We had five rains in July, causing the ground to be too wet for any cultivation."

Ralph Muir's expense account allows \$16 for eight loads of manure, \$3 for rent, 24 cents for seed, 60 cents for disking, and \$2.20 for cultivating, making a total of \$22.04. His corn was worth \$56.83 at gathering time, and he valued the stalks at \$1, making a total of \$57.83. Therefore he had a clear profit of \$35.79 after all expenses, including wages to himself, were paid.

Floyd Killion of Devon won first in the Best Farmed Acre of Corn contest last year. He grew 53 bushels and 15 pounds of grain on his acre. He valued his corn at 55 cents a bushel at gathering time. After all his expenses were deducted he had a profit of \$22.17.

"My ground was harrowed and disked late in March," he says, "to have it in good condition for planting, and to kill as many weeds as possible. The ground was listed 5 inches deep April 18, and was listed again April 24. I double-listed so that all the ground would be stirred. After the second listing the ground was in fine condition for planting."

"The corn was planted 2 inches deep April 24. The hills were 15 inches apart in the rows. The corn was harrowed May 8 and again May 14. This destroyed small weeds and prepared the ground for cultivation. It was first cultivated May 19. A disk cultivator was used, and the dirt was thrown from the corn. On May 29 it was harrowed again, and also cultivated about 4 inches deep with a shovel cultivator. The third cultivation was given June 4, but the ground was stirred only 2 inches deep this time.

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The Capper Medal.



Silver Trophy Cups Given in the Capper Corn and Kafir Contests Conducted by the Farmers Mail and Breeze Last Year.

Capper Won't Sign the Bills

A Special Message Tells the Legislature That Extravagant Appropriations Will Not Be Approved

BELIEVING that the appropriations of the present legislature, as approved by the senate, were likely to exceed what he believed necessary and wise, Governor Capper sent a special message to the legislature, Tuesday, urging economy. The governor disclaimed any desire to usurp the functions of senate or house, but declared he would sign no bills calling for what he might believe to be excessive appropriations. This is the message:

EXECUTIVE DEPARTMENT

Governor's Office

Topeka, Kans., Feb. 23, 1915.

To the Members of the Legislature:

We have a plain duty before us, one we must not shirk, one not to be avoided nor evaded. It compels me to direct your attention to a matter instantly important and pressingly urgent, if as chosen ministers of the will of the people of Kansas we are to do our duty as public servants and keep faith with those we represent and have sworn to serve.

In Kansas we are facing an absolute necessity for stringent economy. In providing for the needs of the various state institutions, it is a case of doing the best we can at a time of world-wide uncertainty and depression, a time when prudence and common-sense counsel the utmost moderation if not the most painstaking retrenchment. It is a case of cutting our garment to fit our cloth.

Only Prudence Is Needed.

A niggardly policy of dealing with public affairs is not expected nor demanded of us. To impair the usefulness of any state institution or retard its growth, is not economizing. The consequences of such a policy would be as deplorable as to over-extend our expenditures at a time when economy of the strictest sort is enforced on every prudent person by the prevailing conditions and when the burdens of taxation are sufficiently heavy. It is for us to steer most carefully between these extremes and if we do not, we may expect most sharply and most justly to be called to account. We can justify ourselves only here and now.

The appropriation bills originating in the Senate and already agreed to by the Senate or its Ways and Means committee, I am informed aggregate \$7,214,650. This is an increase of \$1,521,107.34 over the appropriations made by the legislature of 1913 for the same purposes. It is \$1,035,070 in excess of the sum called for by corresponding bills in the House. The appropriations recommended by the House committee are in excess of the estimates made by the Auditor of State after careful investigation of the needs of the various departments of state government, and I understand are based upon a most careful and searching analysis of what the Ways and Means committee of the House is convinced is amply sufficient. The members of this committee have given full consideration to the pressing demands of every institution effected. I am fully convinced that the appropriations proposed by the House committee should not be increased.

The appropriations asked for by those entrusted with the conduct of these institutions are asked for in good faith. In most cases they could be used to advantage. But we must not forget that the assessed valuation of property in Kansas was decreased by \$5,000,000 last year, nor that the loss of revenue by the repeal of the inheritance tax law and other measures will amount to several hundred thousand dollars. The chairman of the state tax commission has warned us that unless this legislature decreases appropriations by at least a half million dollars the state tax levy must be increased for the first time in four years. The Senate appropriations, if passed, will necessitate an increase of the levy by one-half mill, an extraordinary increase. I do not believe such an increase is now justifiable, nor that the people of Kansas will sanction it, and they cannot be accused of niggardliness nor the lack of liberality in public affairs.

Look at These Figures.

A comparison of the appropriations made by the state legislature twelve years ago with the appropriations now proposed by the Senate for 1915, shows an increase of 91 per cent. Our state expenditures would then be nearly doubled, with a very slight increase in population. The appropriations

made by the state legislatures during the last six sessions are:

1903	\$5,477,040.97
1905	5,615,127.45
1907	6,734,927.55
1909	7,386,578.04
1911	8,375,884.01
1913	8,923,919.43

The increase under consideration by the legislature of 1915, and already approved by the Senate, will bring this session's appropriations up to the astounding sum of approximately \$10,445,000—not only the greatest appropriation ever made by any Kansas legislature, but the greatest increase ever made by any legislature in the history of the state.

Minds That Changed.

I do not question the motives of those who now advocate this abnormal increase in appropriations, but the fact remains that some of the members who are now urging this increase, are the very ones who were most deeply concerned two years ago in keeping down appropriations. Then they reluctantly appropriated \$166,982 for new buildings at state institutions, while now they are urgently insisting that \$960,350 be appropriated for the same purpose. And all this in the face of the fact that our assessed valuation actually decreased \$5,000,000 last year, that our population has not increased, and that business conditions which were then satisfactory, are now much less favorable. Our farmers face uncertain and unstable markets, an unusual number of laboring men are out of employment and business conditions are far from satisfactory. All individuals are curtailing expenses. The state cannot afford unnecessarily to increase them. We should not impose this additional burden upon the people.

He Won't Approve Bills.

I urgently ask a reconsideration of the appropriation bills; for the elimination of every item calling for an expenditure which can by any possibility wait for more propitious times. I have studiously refrained from any attempt to encroach upon the functions of the legislative branch of our state government, but I cannot and I will not approve expenditures which I believe to be unwise and unnecessary and extravagant at such a time as this. I most earnestly appeal to you to lay aside the particular benefit of any section of the state or of any institution of the state in which you have a special interest. In the light of conditions as they are, and not as we would have them, I urge you to consider solely the good of the state as a whole; the best interests of all its people.

Respectfully submitted,

Arthur Capper
Governor.

No Shortage Of Foodstuffs

The 1914 wheat crop of the United States was estimated to be 891 million bushels. The estimated surplus carried over from the 1913 crop was about 76 million bushels. There was, therefore, a total available supply of 967 million bushels. As the normal annual per capita consumption of wheat in the United States is about 5.3 bushels, 520 million bushels should meet our normal domestic requirements for food. In addition, 90 million bushels is required annually for seeding, and therefore 610 million bushels should supply the normal domestic demand.

This would leave a surplus of 357 million bushels. Of this surplus about 210 million bushels was exported by January 30. This left 147 million bushels, or 40 million bushels more than our average annual export for the past five years, for export between February 1 and the appearance of the new crop. The amount is sufficient to permit the export of nearly 1 million bushels a day until July 1, before which time the new crop will begin to be available. This is about the average recent exportation.

The large demand for our wheat arises from the fact that there was an estimated world's shortage of 400 million bushels outside of the United States; from the fact that the Russian exportable surplus of 100 million bushels is not available generally, and from the fact that the belligerent nations are eager to get food supplies. If it were not for these

things we should be discussing ways and means of disposing of our tremendous surplus of food products.

As has been stated, the new American crop will begin to appear before July. The Argentine crop is now coming on the market. It is estimated that from that source there will be available 100 million bushels. A surplus of 75 million bushels or more from India will be available in May and June. The increase in the fall sown wheat acreage of the United States in 1914 was 11.1 per cent, or more than 4 million acres.

Foot and Mouth Situation

BY TURNER WRIGHT.

The outbreak of foot and mouth disease which threatens the livestock interests of the state seems to be fairly well under control, notwithstanding the discovery of the infection near Eldorado in Butler county last week. The discovery of the disease in a herd of 512 calves and 80 hogs caused considerable uneasiness in other sections but every precaution is being taken to prevent it spreading further. The source of the infection for the last outbreak had not been determined when this article was written but the quarantine officials did not think it came from the Mulvane and Wellington districts. The prompt and efficient work of the quarantine officials with the co-operation of stock men seems to have confined the disease at Mulvane and Wellington to the localities where it was discovered first.

The quarantine regulations which were put in effect when the disease was discovered in the state have been modified to permit the shipping of livestock from the four quarantined counties, except from Wellington, Mulvane, and territory within a radius of five miles of any farm on which infected cattle were found, to Wichita for immediate slaughter. Territory within a radius of six miles of the farm on which the last outbreak was discovered has been put in strict quarantine. Normal shipping conditions, such as existed January 1, 1915, have been restored in all sections of the state outside the four quarantined counties.

W. J. Todd of Maple Hill, president of the Kansas State Livestock association, in commenting on the quarantine situation said:

"We hear praise on all sides for Governor Capper, the Kansas legislature and Commissioner Riddle for their prompt action. The livestock industry of our state never had a more critical situation confronting it than existed three weeks ago when the first case of foot and mouth disease was discovered in Cowley county. The prompt action of the governor and other state officials in taking steps at the very beginning to effectively check the spread of the disease is directly responsible for the satisfactory situation in Kansas at this time. If other states had acted as quickly as Kansas, millions of dollars would have been saved and the stock market would be in far better condition than it is today."

A radical change in the government quarantine regulations is another result of the outbreak of foot and mouth disease in Kansas. This change in the government regulations should prevent the infection being carried into southern or western states in the future. All the territory east of the Mississippi river and north of Tennessee is included in the government quarantined area. No shipping of livestock except for immediate slaughter, will be permitted from this area to the South or West. Stock owners, however, in Virginia, West Virginia, Vermont, Maine, and the District of Columbia may ship their stock out of this territory upon affidavit that it has been on their farms a certain length of time and has not been exposed to any risk of contagion. Another order issued by the Bureau of Animal Industry provides that all livestock, unless intended for immediate slaughter, must be transported only in railroad cars which have been cleaned and disinfected. This rule applies to the whole United States.

W. J. Tod Appointed

For State Tax Commission—Samuel T. Howe, Topeka; W. J. Tod, Maple Hill.

These appointments were sent by Governor Capper to the senate for confirmation. Mr. Howe succeeds him-

self. Mr. Tod succeeds Judge J. A. Burnett. The appointments become effective July 1.

The reappointment of Mr. Howe was expected. He is recognized as one of the leading tax authorities of the United States and Governor Capper expressed great pleasure in reappointing him for another term.

"I have long thought that the farming and stock interests of the state—which represent about three-fifths of the state's taxable wealth—should be represented on the state tax commission," said the governor, "and with that thought in mind I sought the advice of many of the leading farmers and stock men of the state, as well as the Agricultural college and state board of agriculture and farmers' organizations. It is especially significant that Mr. Tod's name headed every list submitted. Mr. Tod was not a candidate, but in the face of such strong indorsements, I felt it my duty to urge him to take the place. He is one of the biggest farmers and stock men in Kansas. He is now president of the Kansas State Livestock association and has always been intimately associated with farming and livestock industries of the state. I doubt whether any Kansas governor ever had the pleasure of considering so many high grade men in making the selection of a member of his official family. It is no reflection on any of them that I stepped outside and appointed Mr. Tod, who was not a candidate. I wanted a big farmer for the place—and I got him."

Grain Dealers Will Meet

The Farmers' Co-operative Grain Dealers' association of Kansas will meet in Wichita, March 2 and 3. The headquarters will be at the board of trade building. All farmers who are interested in grain production and marketing are cordially invited to attend. Here is the program:

TUESDAY, MARCH 2.

Morning Session, 10:00 A. M.
Scottish Rite Temple.
Convention called to order by President J. A. Lyons, Langdon.
Invocation by the Rev. Dr. Brody.
Music.
Address of Welcome by W. J. Babb, Mayor of Wichita.
Response by A. H. Lupter, Frisell.
Reading of the minutes of the last meeting and report of the secretary, G. W. Lawrence, and address.
Announcements.
Adjournment.

Afternoon Session, 1:30 P. M.

Music.
Address—The Management of a Farmers' Elevator... D. S. Warwick, Vice President, Wichita Board of Trade.
Address—Equitable Margins for Co-operative Farmers' Elevators... J. B. Brown, Larned.
Address—Milard E. Myers, President Farmers' Co-operative Journal, Chicago.
Appointment of Committees by Chairman J. A. Lyons.
Adjournment.
Committees convene.

Evening Session, 7:30 P. M., Eaton Hotel.
Round Table—Boards Conducted by G. D. Eastes, Stafford.

WEDNESDAY, MARCH 3.

Morning Session, 9:30 A. M.
Scottish Rite Temple.
Convention called to order by chairman.
Music.
Address—The Little Things That Make the Big Ones... Perry White, Secretary-Manager association, Frisell.
Address—Needed Legislation... M. H. Rice, Delphos.
Address—Weights... F. C. Meagly, A. G. F. A., Santa Fe System.
Question Box.
Adjournment.

Afternoon Session, 1:30 P. M.

Convention called to order by chairman.
Music.
Address—Henry J. Waters, President, Kansas State Agricultural college.
Address—Prof. H. M. Cottrell, Agricultural Commissioner Rock Island Lines, Chicago.
Address—Farmers' Relation to Grain Trade... A. C. Bailey, Member Farmers Grain Dealers' association, Kinsley.
Report of Committees.
Election of Officers.
Unfinished Business.

Evening.

Banquet.

Real Politeness

Going to the blackboard the teacher wrote this sentence: "The horse and the cow was in the stable."

"Now, children," she said, "there is something wrong with that sentence. Who can correct it and tell why it is wrong?"

One small boy waved his hand excitedly and the teacher called upon him.

"It's wrong," he said with importance. "It ought to be 'The cow and the horse was in the stable,' because ladies always ought to go first."



GILBERT HESS
 Doctor of
 Veterinary Science
 Doctor of
 Medicine

Why 50 out of every 100 chicks die— I can save most of this loss for you

What are you doing now to condition your poultry for the production of fertile eggs? Nothing—at least, a lot of people *don't* do anything, and then they wonder why the baby chicks keep dropping off one by one until more than half the hatch die. Then they say the poultry business doesn't pay. Start in right now to tone up and condition your hens according

to "the Hess idea" and I guarantee you'll make the poultry business a *real* business. And when the baby chicks are hatched remember that half the yearly hatch die through leg weakness, diarrhoea, gapes and indigestion; but remember, also, that most of this great loss can be surely saved by the use of

Dr. Hess Poultry PAN-A-CE-A

Not a Stimulant, but a Tonic
 Costs 1c a day for 30 fowl

I have compounded this scientific preparation from the knowledge I have gained as a lifetime veterinarian and doctor of medicine. I discovered that the use of a certain nerve tonic and appetizer would overcome leg weakness; that a certain internal antiseptic could be taken up into the blood and would prevent and remedy gapes by causing the worms in the windpipe (the cause of gapes) to let go their hold and help the chick throw them off. By combining these ingredients with certain bitter tonics and laxatives I found that the little chicks' digestion could be considerably invigorated.

A Preparation of 22 years' standing

My Pan-a-ce-a will put your fowl in splendid condition for the production of fertile eggs; it will help your chicks grow rapidly—put them squarely on their feet—help them feather quickly and keep them in perfect health. All the many years that Dr. Hess Poultry Pan-a-ce-a has been on the market, it has never been sold on claims or say so, but absolutely on the results it must bring each buyer. I urge you to put my Pan-a-ce-a to the test under the broadest and most unqualified merchandizing guarantee you have ever read. Here it is:

So sure am I that Dr. Hess Poultry Pan-a-ce-a will make your poultry healthy, make hens lay, help chicks grow and shorten the moulting period, that I have authorized my dealer in your town to supply you with enough for your whole flock, and if it doesn't do as I claim, return the empty packages and get your money back.

My Pan-a-ce-a is sold only by reputable dealers whom you know. It is never peddled. 1 1/2 lbs. 25c; 5 lbs. 60c; 25-lb. pail \$2.50. Except in Canada and the far West.

Send for my free book that tells all about Dr. Hess Poultry Pan-a-ce-a.

DR. HESS & CLARK, Ashland, Ohio

Dr. Hess Stock Tonic

Your stock need this tonic now to harden and condition them after the confined heavy feeding of winter. There's nothing better to put horses in trim for hard spring and summer work. Milch cows need it badly just now to prepare them for the heavy milking season ahead. Dr. Hess Stock Tonic makes all stock healthy—keeps them toned up and expels worms. Sold under money-back guarantee. 25-lb. pail \$1.60; 100-lb. sack \$5.00. Smaller packages as low as 50c, except in Canada, the far West and the South. Send 2c for my new free Stock Tonic Book.

Dr. Hess Instant Louse Killer

Kills lice on poultry and all farm stock. Dust the hens and chicks with it, sprinkle it on therosts, in the cracks, or if kept in the dust bath the hens will distribute it. Also destroys bugs on cucumber, squash and melon vines, cabbage worms, etc., slugs on rose bushes, etc. Comes in handy sifting top cans, 1 lb. 25c; 3 lbs. 60c. Except in Canada and the far West.

Free Prescription by Dr. Hess

Name _____

Address _____

If any of your poultry or animals are sick, send full details in a letter and Dr. Hess (M.D., D.V.S.) will prescribe for them free of charge. Send 2c stamp for reply.

Without question the best wearing shoes obtainable.
The latest styles and a comfortable fit.

Mayer

HONORBIT SHOES

Made of the best bark tanned leather—combined with the most skillful shoemaking; genuine quality shoes at a reasonable price.

WARNING—Always look for the Mayer name and trade mark on the sole. If your dealer cannot supply you, write to us.

We make Mayer Honorbit Shoes in all styles for men, women, children; Dress, wet weather shoes; Yerma Cushion Shoes, Martha Washington Comfort Shoes.

F. Mayer Boot & Shoe Co., Milwaukee



Save Your Strength—Your Horses, Your Time and Big Money This Easy Way

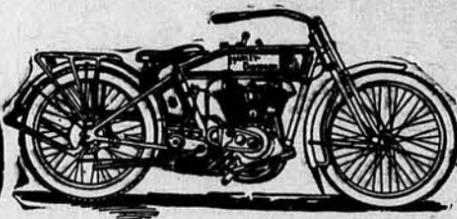


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ELECTRIC Steel Wheels and Handy Wagons

Get This FREE Book NOW!



The 1915 Harley-Davidson

with sidecar and extra passenger going up a 40 per cent grade

THE 1915 Harley-Davidson three-speed twin is the logical sidecar model. The eleven horsepower motor (horsepower guaranteed) together with the three-speeds supplies sufficient power to carry rider, sidecar and passenger anywhere on a public highway.

When used in conjunction with a Harley-Davidson sidecar with adjustable tread (44 to 56 inches) it becomes an all the year round machine. It will easily negotiate sand, snow and mud, that is impassable for the ordinary automobile. Such an outfit is ideal for country use. It provides pleasure for the family at a small fraction of the operating or up-keep cost of other popular methods of travel.

The 1915 Harley-Davidson is a masterpiece mechanically. The three-

speed transmission is so well designed and the gears so perfectly made that they are absolutely noiseless when in operation. In fact nearly everyone of the ninety-eight improvements and refinements are mechanical superiorities.

These improvements, as well as the complete details of the 1915 Harley-Davidson are described in the catalog which may be obtained of any Harley-Davidson dealer or will be sent on request.

More Dealers for 1915

Additions to the Harley-Davidson factories enable us to add more dealers for 1915. If, as a dealer, you are situated in a locality where we are not represented and feel qualified to represent the Harley-Davidson in keeping with the Harley-Davidson name and reputation, get in touch with us at once.

HARLEY-DAVIDSON MOTOR CO.,
Producers of High Grade Motorcycles for Nearly Fourteen Years
1043 A STREET, MILWAUKEE, WIS., U. S. A.

Motor Rides 5 Cents a Mile

Railroads May Encounter a New Competitor Soon

BY HARLEY C. HATCH

AT THE present price of motor car tires and of gasoline, mileage can be made cheaper by car than at any time since cars were known. The latest price for gasoline here is a fraction above 10 cents a gallon delivered eight miles out in the country. An outer tire for a motor car with a wheel 32 by 3 1/2 inches now costs only \$13.35. When we bought our car in 1909 the price charged for such tires was \$28 and they were not so good as those made today, either. At one time we paid 16 cents a gallon for gasoline and the average price for a number of years was 15 cents. We figured in 1909 that it would cost the car owner 10 cents for every mile traveled with four passengers; now we think distance can be covered with a 4-passenger load at the rate of 5 cents a mile.

Up in one of the Nebraska counties they have a "farm demonstrator" who travels by motor car. Since he began using his car he has ridden 10,000 miles in it and he has kept an exact account of every expense connected with it. He finds that the total expense of running the 10,000 miles has been \$373.43. This does not take into account depreciation of the car which would bring the expense up to fully \$500 for the mileage traveled, or 5 cents a mile. The car this man used was one of the cheaper makes, costing, with some extra equipment, \$650. In his account of \$373 he includes all labor expended in caring for the car and also includes \$50 for garage and washing. The average farmer who takes care of his own car would not figure this as an expense because it would be done by his own labor.

So, on the whole, we do not think we are far out of the way when we say that it costs the average farm motor car owner 5 cents for every mile traveled. This is cheaper than mileage can be made with a team. If the car carries four passengers it gives us a cost of but little more than one cent a mile each, which is cheaper than any rate the railroads ever made. What is, in effect, a passenger train right at your door to carry you wherever you wish to go, would seem to be cheap at less than two cents a mile for a passenger. Motor cars can now make mileage so cheaply that should the railroads raise the fare on passenger trains, as they are talking of doing, there will be an immense amount of local passenger carrying done by motor cars and the railroads will learn that, instead of increasing their revenues by raising rates, they will have decreased them by reason of a decrease in travel which may total 30 per cent.

Our last market paper says that since hog prices have reached their present low level the wholesale price of pork loins has declined from 18 cents a pound to 11 1/2 cents. This is what packers charge retailers. The paper further states that almost no change has been made in prices by the retailers but that they still are charging their customers as much as they did when the price was 18 cents. We may have here some reason for the small demand for meat that dealers notice. Consumers no doubt find it hard to believe that livestock is making the grower no money when they are forced to pay such prices for meat. It is evident that there is still too long a hitch between producer and consumer.

The muddy roads of last week dried up quickly. It was hard to make headway, Thursday, with a team hitched to a spring wagon, motor cars were running Saturday, and by the first of this week the roads were dry and were dragged in most localities. There have been few days this winter in which motor cars could not run here.

But the fields are not dry. A neighbor tried to thresh this week but the threshers could not get their machine out of the field where it had been placed. A few settings of kafir yet remain to be threshed, and the owners would like to get that work out of the way before spring's work begins.

The usual acreage of oats will be sown here this spring despite the fear of chinch bugs. We are going to sow 17

acres to oats but they will be on a field at least 35 rods from any corn. On the east is an alfalfa field, on the south and west the prairie pasture and on the north the hog pasture. In this hog pasture we will also sow oats and with the oats will mix about 4 pounds of rape seed for every acre. We are hoping that after the oats are gone the rape will come in and make summer and fall pasture.

Our rape failed us last fall, for the first time in several years. We had always supposed that rape flourished in moist weather, but when the fall rains came the rape died. The rape supplied good pasture for the hogs in 1913, the drouth year, until after Christmas, and the year before that it did not fail all winter but lived through and made some seed. We like rape pasture for hogs; it is easy to get a stand of it and the seed usually is cheap. We sow about 5 pounds to the acre and usually have to pay 8 cents a pound for it. We have been told that most of the rape seed comes from Germany; we are wondering if any will get through the blockade this year.

An inquirer writes from Auburn, Neb., to ask how sweet corn compares with field corn as feed for hogs. We have always thought there was nothing better for hogs in the summer than sweet corn which has just begun to get hard. It makes feed earlier than the field corn but its yield is against it. For a crop to be raised on any scale as hog feed, sweet corn would not pay. It does not yield enough, and the husking is a very tedious matter. There is one other crop more "puttering" to husk than sweet corn and that is pop corn. It is harder to get huskers of pop corn at 10 cents a bushel than it is of common corn at 3 cents. A fair price for husking sweet corn would lie somewhere between these two extremes.

A farmer writes from Bourbon county that he has a chance to buy a piece of prairie grass land and would do so if he thought a good prairie grass could be restored. The sod on the land in question is badly eaten out, and he wonders if it could be brought back and the weeds killed out. We think it can be restored but all stock must be kept off it for several years. There is a 400 acre meadow between this farm and Gridley which is a fine sod and which produces good hay despite the fact that it lies (Continued on Page 21.)

THE DOCTOR'S WIFE
Agrees With Him About Food.

A trained nurse says: "In the practice of my profession I have found so many points in favor of Grape-Nuts food that I unhesitatingly recommend it to all my patients.

"It is delicate and pleasing to the palate (an essential in food for the sick) and can be adapted to all ages, being softened with milk or cream for babies or the aged when deficiency of teeth renders mastication impossible. For fever patients or those on liquid diet I find Grape-Nuts and albumen water very nourishing and refreshing.

"This recipe is my own idea and is made as follows: Soak a teaspoonful of Grape-Nuts in a glass of water for an hour, strain and serve with the beaten white of an egg and a spoonful of fruit juice for flavouring. This affords a great deal of nourishment that even the weakest stomach can assimilate without any distress.

"My husband is a physician and he uses Grape-Nuts himself and orders it many times for his patients.

"Personally I regard a dish of Grape-Nuts with fresh or stewed fruit as the ideal breakfast for anyone—well or sick."

In stomach trouble, nervous prostration, etc., a 10-day trial of Grape-Nuts will usually work wonders toward nourishing and rebuilding and in this way end the trouble. Name given by Postum Co., Battle Creek, Mich.

Look in pkgs. for the famous little book, "The Road to Wellville."

Ever read the above letter? A new one appears from time to time. They are genuine, true, and full of human interest.

Free Shows For the Schools

Big Firms Give Industrial Displays To Applicants

BY L. D. GRIFFEE

HOW much useful equipment can a country school acquire for nothing? A very fine collection showing the various processes in the making of flour can be obtained from the Pillsbury Mills Flour Co., Minneapolis, Minn. This collection is contained in 12 glass jars and follows the wheat from the time it enters the mill until it emerges as flour. The Warren-Crosby Milling Co., also of Minneapolis, sends out an equally fine collection in a neat, cloth-covered case.

The Walter Baker Co., Dorchester, Mass., supplies an exhibit in a neatly finished cabinet showing the processes in the manufacture of cocoa from the cacao bean. The Huyler Co. has a similar exhibit, accompanied by a chart, showing how cocoa is made.

The Standard Oil Co., New York, has for school use a collection of petroleum products containing 17 bottles besides several other packages. Crude petroleum from several states is shown and also the various distilled products sufficiently non-explosive to make them safe for such a collection.

The exhibit of the Corn Products Refining Co., also of New York, is sent out in 18 glass jars and will give the boy studying it a new idea of what can be done with the standard product of the home farm. The jars contain everything from corn meal to rubber.

The Spool Cotton Company, 315 Fourth Avenue, New York, has an elaborate exhibit, showing the steps in making spool cotton and the spools. It fills a good-sized case and is sent with a booklet.

The American Pin Co., Waterbury, Conn., has an exhibit showing the manufacture of pins. The North Star Woolen Co., Minneapolis, Minn., has a display tracing woolen manufacture from the raw wool as it is received from the farm to the completed piece of woolen goods. There is a charge of 25 cents for this.

Cheney Brothers, South Manchester, Conn., have an especially attractive exhibit that shows all stages of the silk industry. There are cocoons, samples of silk in all stages of manufacture and several samples of the completed cloth. Many more of these exhibits can be obtained for the asking or for the price of postage and packing. Their use in the teaching of agriculture and geography is evident to any teacher who enjoys getting away from cut and dried methods. Put all your exhibits in some kind of a case and always keep it neatly arranged.

A valuable library for use in the teaching of agriculture, geography and domestic science can be obtained as easily as the industrial collections. The Agricultural college bulletins and primers are almost too well known to need mentioning. They can be obtained by any one applying to the extension department, Manhattan. Some of the most valuable for country school use are: "A Corn Primer," by E. G. Schaffer; "A Dairy Primer," by O. E. Reed; "A Soil Primer," by L. E. Call; "How To Grow Wheat in Kansas," by W. M. Jardine and L. E. Call; "Grasses," by

A. M. TenEyck. There is enough in this list to keep an intelligent boy reading for a long while.

Some of the great corporations put out a line of industrial booklets almost equal to the industrial collections. One of the very best of these is "The Golden Stream," a well written, illustrated booklet on dairying. It is issued by The International Harvester Company Service Bureau, Harvester Building, Chicago. The same company also issues "The Disk Harrow," "The Story of Twine" and "The Story of Bread." All are neatly gotten up and have good illustrations. "Kafir," issued by the American Steel and Wire Co., is another good little book. Get it from the company's head office at 72 West Adams St., Chicago. "How to Double the Yield of Corn," by H. M. Cottrell can be obtained from the immigration department of the Rock Island railroad.

The various land development companies put out literature that often is illustrated with colored pictures that are valuable in teaching geography, though some of the statements are not so conservative as they might be. I know of a school that accumulated more than 100 of these booklets at no expense except postage. They are used constantly in teaching geography, and geography was no dead subject in that school. All railroads put out illustrated material that is valuable for geography work.

The United States Department of Agriculture has an inexhaustible supply of literature some of which is valuable to a country school. Send for a list of their publications. While you are about it send to the Editor & Chief, Division of Publications, Washington, for an egg candling chart. These charts are particularly fine, and you should be able to make good use of one.

One of the best maps of the United States is the large wall map which can be obtained through any congressman by mailing him a request. The objection to the map for school use has always been the space it occupies on the wall. This can be remedied by taking the map to a furniture store and having it mounted on a large shade roller. You will then have the equal of a \$5 map for the cost of the shade roller. The congressmen also have at their disposal just now a neat map of Kansas.

If you have the money at your command you will do well to send to the Seed Laboratory, Department of Agriculture, Washington, for the Economic Seed Collection. The charge for this collection is \$2 which merely covers the cost of bottling the samples and providing the case. By the time you reach the end of the suggestions given here you probably will have discovered numerous sources of valuable material. I have seen two collections that did not cost, postage and all, to exceed \$5 each, and they were equal to \$100 worth of apparatus and books obtained in the ordinary way.

Approximately 10 million people in the United States are engaged in agriculture.

Earn a Premium Easy

THIS BIG VALUE 7-BAR BOX Contains 7 of Our Most Popular Toilet Soaps

70c Value—You Sell it for only 50c



By Selling a Few Boxes of Fine TOILET SOAPS AT 50 CENTS A BOX

No Money Needed

Just fill out the coupon below, telling us which premium you want, give us two satisfactory references (Name of your Pastor, Doctor, Banker, Postmaster or Express Agent) and we will send you Rocker or Table with the required number of boxes of our 7-bar Toilet Soap. You sell the Soap at 50c a box; send us the money and keep the Premium as your reward.

C. & R. SOAP EASY TO SELL

This big value 7-bar box of Toilet Soap will sell readily in nearly every home—every bar is exceptionally fine—nearly everyone is familiar with the high quality of C. & R. Toilet Soap, which we have manufactured for more than a quarter of a century. Our soaps are being used with satisfaction in over a million homes.



Sell 25 Boxes Earn This

Rocker No. 90215 Given for Selling 25 7-Bar Boxes of C. & R. Assorted Toilet Soap. Our biggest rocker value, easily worth \$10.00 retail. Frame is solid oak in extra massive construction. Upholstered in good grade black imitation leather as shown. 38 inches high, 21 inch seat. Seat filled with 6 springs.

Mrs. E. R. Behrens of Rushmore, Minn., says: "I received the soap and the Rocker yesterday; sold all of the Soap the same day. I am sending you Money Order for \$12.50. I did not have any trouble in selling the soap—everyone thought it a bargain. I wish to thank you for the Rocker, it is a lovely present and just exactly as represented."

Library Table No. 6073 Given for Selling 20 7-Bar Boxes of C. & R. Assorted Toilet Soap. A new design; top is circular, 26 in. in diameter, with carved edge, as shown. Legs are artistically shaped; shelf is of a novel and pleasing design. Can be furnished in hardwood, golden oak finish, or in imitation mahogany. Shipped K. D. Specify finish when ordering.

Remember You take no risk; we guarantee satisfaction and take everything back at our expense if not right.

GROFTS & REED CO.,
Dept. B-141, CHICAGO



Sell 20 Boxes Earn This

(300)

USE THIS COUPON

Crofts & Reed Co., Dept. B-141, Chicago

Please ship to my address 7-bar Boxes of Assorted Soap and Premium No. I will pay the freight and agree to sell the soap at 50c a box and send you \$..... within 30 days.

Name.....

Business.....

Address.....

Name.....

P. O..... State..... Business.....

Give as references names of your Pastor, Doctor, Banker, Postmaster or Express Agent.

Canadian Wheat to Feed the World

The war's fearful devastation of European crops has caused an unusual demand for grain from the American Continent. The people of the world must be fed and there is an unusual demand for Canadian wheat. Canada's invitation to every industrious American is therefore especially attractive. She wants farmers to make money and happy, prosperous homes for themselves while helping her to raise immense wheat crops.

You can get a Homestead of 160 acres FREE and Other lands can be bought at remarkably low prices. Think of the money you can make with wheat at its present high prices, where for some time it is liable to continue. During many years Canadian wheat fields have averaged 20 bushels to the acre—many yields as high as 45 bushels to the acre. Wonderful crops also of Oats, Barley and Flax.

Mixed farming is fully as profitable an industry as grain raising. The excellent grasses full of nutrition are the only food required either for beef or dairy purposes. Good schools, markets convenient, climate excellent.

Military service is not compulsory in Canada, but there is an extra demand for farm labor to replace the many young men who have volunteered for the war. The Government this year is urging farmers to put extra acreage into grain. Write for literature and particulars as to reduced railway rates to Superintendent Immigration, Ottawa, Canada, or



GEO. A. COOK
125 W. 9th St., Kansas City, Mo.
Canadian Government Agent.



You Can Get Industrial Collections Like This For the Trouble of Asking. Every School Should Have Such Displays.

OIL - OIL - OIL

WHOLESALE PRICE TO CONSUMERS—Combining best quality with low price. NO WATER IN MY KEROSENE OR GASOLINE.

XXX 46 gravity water white kerosene.....\$6.00 for 52 gal. bbl.
 XX 42 gravity water white kerosene (the kind usually sold).....\$4.25 for 52 gal. bbl.
 XXX 64 gravity gasoline.....\$8.00 for 52 gal. bbl.
 40 gravity prime white stove distillate.....\$3.50
 38 gravity stove distillate.....\$4.50 for 52 gal. bbl.
 60 gallon (28 gauge) galvanized steel tank with pump and hood cover complete—a great convenience in every home.....\$3.60
 Extra heavy pure crude oil, steamed and settled, (black oil) good lubricant, just the thing for greasing tools.....\$3.50 for 52 gal. bbl.
 STANNARD'S PROCESSED CRUDE OIL, the best dip made for killing lice and curing mange. One application will do more to kill lice and cure mange than three applications of any other dip made (it destroys the nits).....\$5.00 for 52 gal. bbl.
 I also carry a full line of lubricating oils.
 I will pay \$1.25 each for my crude oil barrels, \$1.50 each for my refined oil barrels returned to me at Coffeyville, Kansas, in good order, less freight charge on same.

C. A. STANNARD, BOX M, EMPORIA, KAN.

FLOORS

Clean Enough to Eat From are Made so by



Old Dutch Cleanser

Chases Dirt

MADE EVERYWHERE PRICE 10c

Water Comforts Are Cheap

Let Engines, Not Women, Do the Work

BY W. E. BLACKBURN

NO FARM family should suffer discomfort nowadays because of water scarcity. No woman should be asked to carry water from a pump or well to the house. The time has passed for that kind of work. Engines and windmills are cheap. If the men can afford new implements for the fields they certainly ought to afford some of the labor savers for the home. It is an old argument and it has spoiled many an evening for many families, but sooner or later—and let it be sooner in Kansas—men will realize the truth and justice of the women's contention.



made in pencil to a scale, showing all the connections, "T's", elbows, reducers and cut-offs. The hardware merchant cut and threaded the pipes as shown by the layout, tying the different runs in separate bundles. There were five of them.

The water from the well is first pumped by the mill into the supply tank, which is mounted alongside the windmill tower, partly resting on it but supported in the main by a heavy post. The inflow pipe passes into the tank over the top, obviating the need of a check valve and allowing the water in the pipe to drain back into the well in freezing weather.

Engines, as I said a moment ago, cost little, and they pay big dividends in ruddy cheeks and straight backs; but if you can't buy one you can at least get a windmill and some of the household attachments possible to use in connection with its service. I know how these work out because I have proved their usefulness. We moved from a city directly to the farm and the first few months we were very unhappy because of the contrast between the household conveniences and comforts left behind and what we found on the farm. We found that farmers' wives did not resent carrying water or pumping it, either, if the well was conveniently located. But we did.

It seemed impossible to learn to cook, wash dishes, faces and clothing and do it all quickly and thoroughly without plenty of water; and a plentiful supply of water meant that some member of the family was hanging onto the pump handle most of the time.

It was bad enough when one came in at the close of a hot, exhausting day in the fields to have to pump water for the stock and also for a bath. But when the alleged plunge was effected in a tub of circular, galvanized iron it was a most unsatisfactory refreshment and only taken for cleanliness; a sort of religious rite, as it were, with the feminine head of the family as directing and insisting high priestess.

Early summer found plans completed for a water supply that would approximate the comforts left behind. There was a windmill for the pumping; we live in a prairie country and wind was almost always available, and very cheap. Then there was provided a tank of 200 gallons capacity, of heavy galvanized iron covered with a tight lid. A cast iron, enameled sink, with wooden drain board was ordered for the kitchen, and a real tub of cast iron, enameled, for the bathroom. For the stable yard a six-barrel stock tank, also of galvanized iron and two faucets threaded for hose with three goosenecks and cut-offs for cold weather, were included.

Putting in a Bathroom.

The partition in a bedroom was moved, and a large pantry and a convenient bathroom resulted. The bathroom had light from a glazed outer door and was covered with blue and white linoleum. The walls were painted 5 feet high with orange enamel, white being used for the woodwork finish. Above the enamel was a blue and white tile figured paper; the ceiling was pale blue.

The furniture included, besides the tub, hooks and shelves for work clothes, such as hats, overalls and stable coats; a small earth closet for the convenience of the women and children in rough weather, which was emptied and returned by the outer door without passing through the house; and an oil heating stove. In the cooler weather the stove not only warmed the room but heated a large kettle of water which was sufficient to give the proper temperature to the freshly drawn supply from the pipes which led to the tub.

In planning the layout a drawing was

From the bottom of the supply tank 3/4-inch pipes lead to the kitchen and bathroom and also to the front of the house for use in watering flowers. One foot below the top of the tank the inch pipe that leads to the barnyard and garden is attached. This plan assures a constant reserve of at least four barrels for the house, and gives for household use the coolest and freshest of the water pumped. No water can go to the stock until the house supply is provided. The inch pipe is continued to the garden and there water is distributed in dry weather by means of sections of hose, light galvanized tubing and small irrigation trenches made with a hoe. During the unusually dry summer of 1913 that garden was the only spot of green on the landscape for a mile. Water was pumped at the rate of 2,000 gallons a day for weeks at a time, and there was no bill presented at the end of the month. The actual cost was a weekly oiling of the mill and interest and depreciation on the plant.

Water wastes from the kitchen and bath tub are conducted out of the house by 1/4-inch pipe, thence 10 feet away from the house by galvanized guttering set flush with the surface of the ground; then through ditches into the orchard and a group of maple trees. As the soil is a light, sandy loam, it has worked well so far, but future plans include a concrete septic tank. The cost was as given below:

One 8-foot windmill, tower (30 ft.) and anchor posts	\$ 55.00
One 5-barrel supply tank	5.50
One 6-barrel stock tank	5.00
Two Fuller faucets (kitchen and tub)	2.50
Three goosenecks for hose connections	2.20
Five brass cutoffs with rod handles	3.75
136 feet 3/4-inch galvanized pipe at \$6	8.16
84 feet of inch galvanized iron pipe at \$8	6.72
Elbows, "T's" reducers and 1 1/2-inch drain piping	2.35
One pipe wrench (the other was borrowed)	1.25
One kitchen sink, 18 inches by 36 inches, enameled	6.00
One bath tub, enameled iron, 5 feet long	20.00
Total	\$119.43

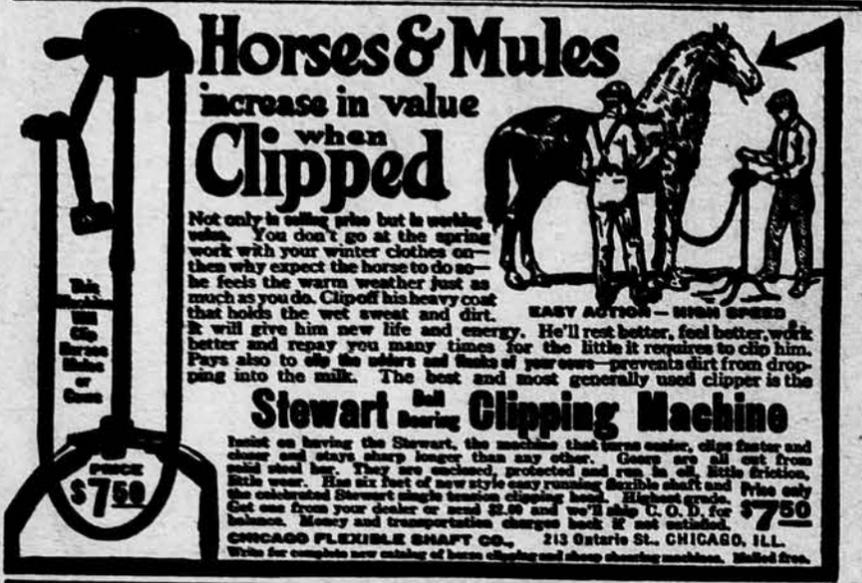
The pump in place was a good one and it was used, effecting a saving of \$15. The ditching, 2 feet deep, and pipe connecting was done by us. Because of the exact layout, everything went together perfectly and we enjoyed the luxury of an abundant supply of the best of water almost without effort and for a nominal cost. To one who has enjoyed a generous laying of the dusty, heated flesh after a hard day in the harvest field, to say nothing of the joy with which the cows and horses plunge their noses deep into the cool, and dripping stock tank, and the pleasure to the housewife in the convenience and step saving, it would be cheap if it cost five times as much. Then there were the vegetables from the garden.

He Was Right

"Bobby," said the Sunday school teacher, "can you tell me the two things necessary to baptism?" "Yes'm," said Bobby; "water and a baby."

Horses & Mules

increase in value when Clipped



Not only is selling price but is working value. You don't go at the spring work with your winter clothes on—then why expect the horse to do as he feels the warm weather just as much as you do. Clip off his heavy coat that holds the wet sweat and dirt. It will give him new life and energy. He'll rest better, feel better, work better and repay you many times for the little it requires to clip him. Pays also to clip the udders and flanks of yearlings—prevents dirt from dropping into the milk. The best and most generally used clipper is the

Stewart Bearing Clipping Machine

Insist on having the Stewart, the machine that runs easier, clips faster and closer and stays sharper longer than any other. Gears are all cut from mild steel bar. They are enclosed, protected and run in oil. Little friction. Each year. Has six feet of new style easy running flexible shaft and the celebrated Stewart single tension clamping band. Highest grade. Price only \$750. Cut one from your dealer or send \$2.50 and we'll ship C. O. D. for balance. Money and transportation charges back if not satisfied.

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Write for complete new catalog of horse clipping and sheep shearing machines. Mailed free.

"My Father Put Up That Fence"



—Years Ago.

"SQUARE DEAL FENCE LASTS." Many a young man can look back to the time when his father put up a "SQUARE DEAL" FENCE. They are in evidence today on hundreds of farms. SQUARE DEAL Fences are time-tried and time-tested. They have proven that the SQUARE DEAL LOCK, the one-piece Stay Wires, and the Wavy Strand Wires produce lasting qualities unknown in other fences. We make the wire and we make the fence. We know that it will pay you to investigate SQUARE DEAL Fence, and find out how it is made and why it will cost you less.

Square Deal Fence

Outlasts All Others

—because of its unusual construction. The SQUARE DEAL Lock grips the stay wires above and below each strand wire. The wavy strand wires keep the fence trim and tight summer or winter. The Stay Wires prevent sagging or bagging. They cannot spread. Hogs or pigs cannot lift SQUARE DEAL Fence and crawl under. Any sudden pressure or impact is distributed over a large surface. Knots are smooth and cannot hold water or gather rust. In every rod of SQUARE DEAL Fence there are 33 up-right stay wires six inches apart, extending from top to bottom of fence and each stay wire acts as a post. Costs less for posts. Fence lasts much longer, looks better. Stock cannot break through or get under.

FREE—To every farmer or land owner who wants to learn more about SQUARE DEAL Fence, we will send our SQUARE DEAL catalog and dealer's name and ROFF'S NEW CALCULATOR—(if you have not sent for one before) all FREE. Roff's Calculator will give you the answer to any business problem that arises on the farm. Full of information that will interest. Write today for these free books.

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Better Engines Now - for Lower Prices - Cash or Easy Terms

WITTE Gasoline and Naphtha Engine - Stationary. Sizes: 2, 4, 6, 8, 12, 16 and 22 H.P. Shown mounted on iron sub-base. Portable Gasoline Engines in all sizes given.

WITTE Kerosene Engine - Stationary. Sizes: 2, 4, 6, 8, 12, 16 and 22 H.P. Burns Kerosene, Distillate, Solar Oil and all fuels of like grades. Also Gasoline, Naphtha and Gas. Portable Kerosene Engines in all above sizes.

WITTE Hand Portable. Sizes: 2 and 4 H.P. On substantial flexible truck, wide metal wheels.

The Famous WITTE 3-in-1 Rig. Sizes: 6, 8 and 12 H.P. 1-Complete Portable Saw-Rig. 2-Saw frame and table removed, a complete Farm Portable. 3-Dismounted you have a complete Stationary Engine.

Kerosene and Gasoline Engines furnished this style.

Why the WITTE Is So Easy to Operate

Being of few parts, and all parts in plain sight, the WITTE Engine is easy to understand. Even if you know nothing of gas or oil engines, it is an easy matter to learn, in a few minutes, from my plainly written, easy-to-understand book, just how to operate an engine; and to do it as well as any expert. Every WITTE Engine is shipped completely equipped, ready for running. To start up, put fuel into the fuel tank; water into the cooling hopper; lubricating oil into the lubricators and turn them on to feed; move the spark shift to the marked, easy-starting point; open the battery switch, open the fuel throttle to its marked starting point; turn the fly-wheels to move the piston out, thus drawing in a charge of fuel and air; close the battery switch; turn the fly wheels back sharply, moving the piston on to the fuel charge, and the engine starts. Move the spark shift to the marked regular running-point, and start your machinery. Takes only a jiffy. The many thousands of new WITTE users each year, write that they find the actual operation just as easy to do, as the simple directions are to read.

Note These Latest Direct-From-Factory-To-User WITTE Prices

STATIONARY	
2 H.P.	\$34.95
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8 H.P.	139.65
12 H.P.	219.90
16 H.P.	298.80
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2 H.P.	\$40.95
4 H.P.	82.90
6 H.P.	139.90
8 H.P.	190.40
12 H.P.	279.80
16 H.P.	375.70
22 H.P.	483.15
SAW-RIG	
6 H.P.	\$165.40
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12 H.P.	324.50

The most important thing to consider, in the matter of engine quality, is this: What is the engine's work going to cost, after you get the engine into service? Aside from any sentiment that a man may feel in his ownership of an engine, just because it is what it happens to be, there is no value in any engine outside of its dollar-earning value. It ought to be clear that a dollar's worth of engine work that costs only five cents, for fuel, lubricant and other up-keep expense, is worth more than another dollar's worth of engine work that costs from seven cents to ten cents to get it done, for fuel, lubricant and other up-keep expense.

The things in an engine that determine the cost of work, are: engine price; fuel cost; handling and repair cost. These are the places in which to look for "quality." An engine's efficiency is determined, first, under actual brake test; second, by its ability to maintain its original efficiency after years of use.

WITTE ENGINES

Kerosene, Distillate, Gasoline and Gas

In buying an engine of any size, you are entitled to know how much it will cost to get its power, as well as to know how much power the engine has. Mere bulk and shape of iron and steel, alone, do not prove power or durability. It is entirely a matter of proper proportion and balance of working parts, as to shape, size, strength, and workability of each part in proper relation to all the other parts. Engines

vary greatly in these respects, and accordingly as they vary, they have varying rates of power-cost in getting power into the belt—the only place where it counts for the power user. Measure WITTE Engine quality by its dollar-earning value—economy with reliability—and you will find WITTE Engines have set a new and lower standard of power-cost from the liquid fuels of today's markets.

Sent Direct From My Factory To User Cash or Easy Terms

Five Year Guarantee on Efficiency and Durability

Thirty years ago, when the fuel price was not a factor of first importance, the big thing was to get an engine to pull its rated load, for gasoline was a drug on the market at any price. Today, the fuel cost is the factor of first importance. Years ago I foresaw this, and we began working toward a cheaper power cost.

My engines of today are made out of my own 23 years' experience doing only one thing—making WITTE Engines. I have been actively engaged, on my own account, in the gasoline and kerosene engine manufacturing business, longer than any other one man in America. My factory is the only one that has been continuously successful under the same management (my own), through all these years. I have seen engines, and engine factories, come and go by the hundreds, while all the time my factory was getting larger and larger.

The reason?—Just WITTE Engines, that's all. While my engines are greatly improved now, over the first ones that I built, I have never adopted an improvement until it had been most thoroughly tried out. Being sure of my engine quality while keeping just a little ahead-of-the-times in improvements, is the big reason for our success. For six years, now, the WITTE has been proving all over this country, that my improvements in design and construction have "revised downward" the cost of gas power, from 15¢ to 33¢—and in some cases as much as 50%. A saving of 25% of the fuel used by the older-type engines, amounts to enough in many cases, in a year, to more than pay the entire first cost of a WITTE Engine.

Easy-To-Understand Engine Book FREE

Send me your address, so I can send you free, by return mail, my whole engine story. Learn why I use semi-steel castings, where others use common grey iron; why I make cylinder and bed separable; vertical valves; four-ring pistons where others use three; automobile style ignition; safety spark shift for easy starting; high carbon, open-hearth steel crank shafts; machine cut gears; rocking lever valve operation, instead of the old-style, awkwardly operating punch-lever; and the other features of merit without which no engine is of high-grade quality.

A study of this book will make you competent to judge any engine. If you don't say my book is worth dollars for its reading, I'll pay the postage to get it back. Write me today—letter, postal or the coupon—but, do it now.

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16 and 22 H.P. Portable Mounted on all-steel truck of special, heavy design. Engine rests on heavy steel "I" beams, doubly braced to both axles. (Swivel type front axle; bridge type rear axle.) Kerosene or Gasoline.

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No other equipment compares with STAR in easy adjustment. Sanitary Arched Steel Stall has smooth surface—no castings to catch dust, dirt and germs, and is stronger and more durable than any straight pipe stall could possibly be.

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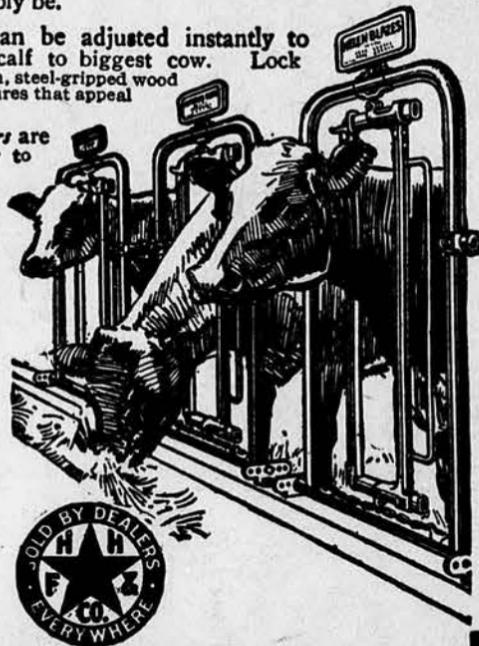
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62 Hunt Street, Harvard, Ill.



An Up to Date Rural School

Farm Children Deserve a Place Where They Can Secure Knowledge Without Endangering Their Physical Or Mental Health

THE country schoolhouse should be as sanitary and wholesome in all essential particulars as the best home in the community. This is a summary of the conclusions reached by the joint committee on Health Problems in Education, appointed four years ago from the membership of the National Educational association and the American Medical association to investigate rural school problems. The committee included several of the leading educators in the United States, including United States Commissioner of Education, P. P. Claxton. The report of this committee has just been issued.



bottoms of windows so that light may be properly controlled on bright days.

The best colors for the school room in relation to lighting are:

Ceiling—white or light cream.

Walls—light gray or light green.

Blackboards—black, but not glossy.

The schoolhouse and surroundings should be kept as clean as a good housekeeper keeps her home.

Clean Drinking Water.

Every rural school should have a sanitary drinking fountain located just inside or outside the schoolhouse entrance.

Drinking water should come from a safe source. Its purity should be certified by an examination by the state board of health or by some other equally reliable authority.

A common drinking cup is always dangerous and should never be tolerated.

Individual drinking cups are theoretically good, and under some conditions are all right, but experience has proved that in school individual drinking cups are unsatisfactory and unhygienic. Therefore they are not to be advocated for any school.

Sufficient pressure for running water for drinking fountain or other uses in the rural school may always be provided without excessive expense by a storage tank or by pressure tank with force pump.

Children in all schools should have facilities for washing hands. Individual towels should always be used. Paper towels are cheapest and most practicable.

Seats and desks should be individual, separate, adjustable, clean.

Toilet Arrangements.

Toilets and privies should be sanitary in location, construction and in maintenance.

If there is no water carriage system, separate privies should be located at least 50 feet in the different directions from the schoolhouse, with the entrances well screened.

The privy should be rain proof, well ventilated, and of one of the following types:

- (a) Dry earth closet.
- (b) Septic tank container.
- (c) With a water-tight vault or box.

All schoolhouses and privies should be thoroughly and effectively screened against flies and mosquitoes.

Schoolhouses and out houses should be absolutely free from all defacing and obscene marks.

Buildings should be kept in good repair, and with whole windows.

Information For the Asking.

No community should be satisfied by the minimum requirements indicated in the foregoing, but every country school should be so attractive and well equipped as to minister with some abundance of satisfaction to the physical, mental, aesthetic, social, and moral well being of those who provide it, who own it, who use it, and who enjoy it.

This pamphlet, which is entitled "Minimum Sanitary Requirements for Rural Schools", may be obtained from the United States Bureau of Education, Washington, D. C. The Bureau of Education within the last month has issued a bulletin of 200 pages on "Rural Schoolhouses and Grounds", which is also for free distribution to anyone interested in the subject. The state superintendent of Kansas has a pamphlet of 115 pages, "School Buildings, School Grounds, and Their Equipment," which is also sent on post-card request. Teachers, members of school boards, and school patrons, particularly in districts where school buildings are to be rebuilt or remodeled, will appreciate all of these.

The school building, says this committee, should be located in as healthful a place as exists in the community, the grounds well drained, and as dry as possible.

It should be not more than two miles from the most distant home, if the children walk; not more than six miles from the most distant home, if school wagons are provided.

As every rural school ground should have trees, shrubs, and a real garden or experimental farm, the soil of the school grounds should be fertile and tillable. Rock and clay should always be avoided. If the soil is muddy when wet, a good layer of sand and fine gravel should be used to make the children's playground as useful as possible in all kinds of weather.

For the schoolhouse and playground at least three acres are required.

The school ground should have trees, plants and shrubs grouped with artistic effect without interfering with the children's playground.

Building the House.

Schoolhouse doors should open outward. A separate fuel room should be provided, also separate cloak rooms for boys and girls.

The one-teacher country school should contain, in addition to the class room:

- (a) A small entrance hall, not less than 6 by 8 feet.
- (b) A small retiring room, not less than 8 by 10 feet, to be used as an emergency room in case of illness or accident, for a teacher's conference room, for school library, and for health inspection, a feature which is now being added to the work of the rural school.
- (c) A small room, not less than 8 by 10 feet, for a work shop, for instruction in cooking, and for the preparation of refreshments when the school building is used, as it should be, for social purposes.

The class room should be not less than 30 feet long, 20 feet wide and 12 feet high. This will provide space for 30 pupils.

The school room should always receive fresh air coming from directly out of doors in one of the following ways:

- (a) Through wide open windows in mild weather.
- (b) Through window board ventilators under all other conditions.

Unless furnace or other form of basement heating is installed, at least a properly jacketed stove is required. No unjacketed stove should be tolerated in any school.

Getting a Good Light.

The school room should receive an abundance of light, sufficient for darkest days, with all parts of room adequately illuminated.

The area of glass in windows should be one-fifth to one-fourth of the floor area.

The best arrangement is to have the light come only from the left side of the pupils. Windows may be allowed on the rear as well as on the left side, but the sills of windows in the rear of the room should be not less than 7 feet above the floor. High windows not less than 7 feet from the floor may be permitted on the right side if thoroughly shaded, to be used as an aid for ventilation, but not for lighting.

Shades should be provided at tops and

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To Put Up—and Once Up, the Best!

The "TUNG-LOK" SILO

Made of well seasoned yellow pine or fir, cut in short uniform pieces at the mills and tongued and grooved to fit perfectly. These pieces are laid horizontally. Every layer is braced and fitted against the next layer, and you simply can't put up this silo any way but right, because of the interlocking feature of the tongues and grooves.

The "Tung-Lok" will Save You \$50 in Construction Costs

and when up, will be a better silo than any other. Requires only one man and a helper to build. No costly services of a "factory expert" needed. No complicated construction requiring expensive scaffolding necessary. We send you easily understood blue prints with your silo and all you have to do is lay the pieces in order marked, 1 and 2, etc., drive the nails, and when done, you have a silo with smooth rounded inside surface and most imposing appearance outside. The "Tung-Lok" represents the utmost in strength and firmness, and there are

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The Cup Of Trouble

"The deaths in the United States from measles, scarlet fever, whooping cough and diphtheria amount every year to more than twice the loss of life on the field of Gettysburg."



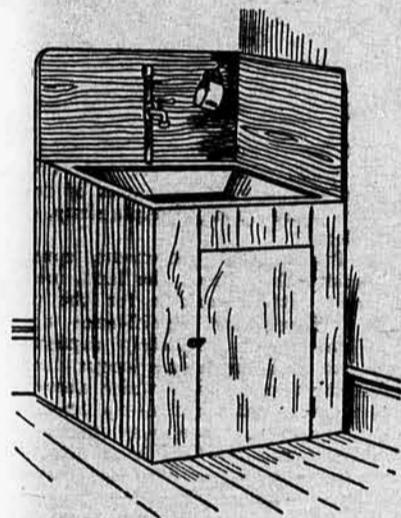
The New Way.

This is the statement of one of the best informed men in the United States. For some of this loss the school is directly responsible, particularly in the case of measles and diphtheria.

Measles and diphtheria, as well as all other contagious diseases, are spread by means of tiny living things variously called germs, microbes, and bacteria. To do harm the germ of a disease must pass from the body of one person to the body of another.

Germs have no way of moving, by themselves, from one place to another. They must be carried. That is the reason it is dangerous for a mother who has tuberculosis to kiss her baby, especially on the mouth. The germs of the disease are in her mouth, and by the kiss they are passed on to the baby. That is why tuberculosis sometimes runs through a family. One is careless and gives it to another.

The germs of most of the common contagious school diseases are carried in the nose and mouth. That is why the drinking cup used by everybody is dangerous. And that is why the state



The Old Way.

board of health forbade its use in any public place in the state. Many an epidemic has started with the drinking cup, on which the living germs of disease were carried from one child to many others.

Individual drinking cups are not much better, for they usually are not kept clean, and too often are "borrowed." The best substitute for the germ-carrying cup is the drinking fountain, of which there are several kinds on the market. The water in the fountain gushes up pure and free, and each child can drink what he wants without endangering the health of anyone else, or putting his own health in danger.

Schools Don't Get Results

BY W. R. T.

I do not wish to find too much fault with the educational system we have in Kansas, but there never was a perfect system worked out by the human race for its advancement. I believe the rural population of Kansas has a just grievance in the results obtained from the rural school system.

Life, with a majority of people, is a question of bread and butter. In the rural communities the youth are taught to work, to be producers. This is why they are asking for a more practical educational system.

Why are not the schools giving the results they ought to give? We have a course of study for the rural schools. This course divides the work into grades. One grade must be completed before another can be taken up. This is the case through our whole school system, or in other words a pupil goes to school to go to school. Every child must do the same work that every other child does or fail. This system is as it should be if all children were blessed with the

same natural abilities. In our high schools and colleges pupils have some choice as to what particular course they shall pursue. The larger per cent of our boys and girls in rural communities must for various reasons leave school before completing the work as outlined in the rural course of study for rural schools. This is the class of pupils our rural schools must reach by a more practical education. I would not destroy the course of study, for by its use wonderful results have been accomplished, but why not make it more useful? Why not eliminate several branches which lead to an academic education and put in their place more practical work?

The agricultural college is doing a great work for the farmers' sons and daughters along practical lines by means of short courses. Why cannot some of this work be accomplished by the rural schools? Why cannot the rural course of study be divided into two courses, one leading to an academic education and the other to meet the needs of the rural and village population?

This would give the pupils or their parents a little choice as to their education, and would provide one of the many encouragements needed by a large per cent of our boys and girls in rural communities.

Manless Schools

HERBERT C. LONG.

Teaching has become a woman's business. When we use a pronoun referring to the word "teacher," it is almost invariably a pronoun of the feminine gender. It is a deplorable fact that our grammar schools are almost without men in the ranks of their teachers; deplorable, not because women cannot teach, but because men are sadly needed. No matter how capable a woman may be, she cannot command just the same respect and admiration from a growing boy that a man can command. The boy is looking forward to manhood; naturally he wants to pattern after a man. A straight-forward, clean, manly man, touching a boy's life daily in the respected and intimate relation of teacher, will do more to make of him a straight-forward, clean, manly man than all the moral lectures he could receive from woman teachers. A man, moreover, if he is of the right sort, and we will have no other, can understand the boy as a woman cannot; a man can far more easily get the boy's point of view; a man knows a boy's motives and understands his temptations. Consequently a man is able to help a boy as no woman can. Moreover, when it comes to the matter of discipline, not only boys, but sometimes girls need the stricter authority of

A shocking story of depravity involving a school and for which the teachers were blamed, was recently made public. Only a part of the responsibility rests there. Too many parents, forgetting their own youth, and perhaps their own providential escapes from serious missteps, think, "my daughter or my boy would not be led into such a thing." There is no better guarantee that they will not be, than the keen watchfulness of parents who see and observe without appearing to stand guard. Foolish trustfulness, parental negligence and too much freedom for loitering on the way to and from home, are risks from which boys and girls should be protected at the period of their greatest responsibility.

the sterner sex, backed by the man's calmer and more balanced judgment.

How can we remedy this serious defect in our public schools? Probably there is only one way. We must offer our educated young men, not only a living salary, but one sufficient to overcome their prejudice against entering what is popularly regarded as a woman's profession. Let us dismiss entirely the question as to whether a woman should receive the same remuneration as a man for the same work, as not pertinent to our problem. The fact is that a man can render a service to our boys which no woman, however talented, can render; and it is a most important service. We need men in our schools; we must make it worth while for them to enter the profession.

International Harvester Tillage Implements

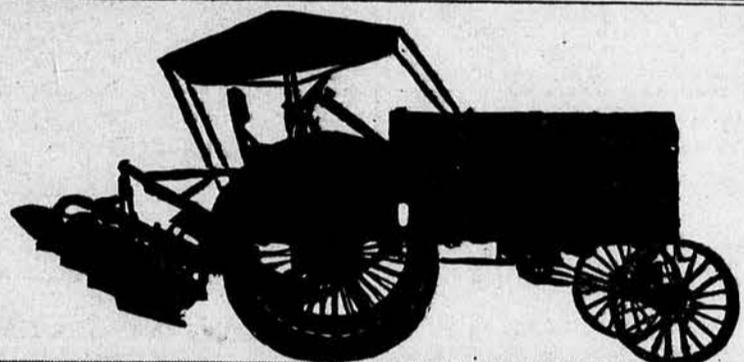


EVERY year we learn more about the proper preparation of our seed beds—every year as a result the profits from farms have grown greater. Nowadays, careful farmers would as soon do without binders as without adequate tillage implements

—such as they find in the I H C line. International Harvester disk harrows, for instance, work wonders when properly used— aerating the soil, pulverizing it, breaking up clods of dirt, forming a moisture-holding granular mulch of dirt. When you know disk harrows fully you will know that proper harrow use means the purchase of an implement from the I H C line. The frame is strong and well-braced, to stand the strains of disking sod before plowing, and for work in rough, hard ground. The chilled bearings with large bearing surfaces are practically dust-proof. The set levers keep the gangs to their work at even depth. The full International Harvester line includes disk, peg and spring tooth, and smoothing harrows, drills, seeders and cultivators. The line contains the best in tillage implements. See the I H C local dealer, or write us for interesting catalogues.

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The Tractor is the Big Four with twenty H. P. at the drawbar. The plow is the Emerson attached directly to the Big Four "20."

WHEN you get a Big Four Tractor, you get the steadiest, most dependable power in the world.

When you get an Emerson Plow, you get the best plow on earth for any and all conditions.

We have combined the two, and added the power hoist. The Big Four motor raises and lowers the plows with one touch of your foot, whether tractor is moving or standing still.

When plows are raised they are out of the way of everything, and when they are lowered they are adjustable to the depth you wish to plow.

Don't waste room and time in turning. Back up and plow out the corners.

When the tractor is to be used for other work than plowing, the plows may be quickly detached.

The Big Four "20" has three speeds forward and reverse—burns gasoline or kerosene—is adapted to practically all soil conditions. Handles readily harrows, disks, pulverizers, drills, mowers, etc.—and all belt work.

A Size of Tractor for Every Farm

Emerson Model "L" 4 Cyl. 2-Speed Big Four "20" 4 Cyl. 3-Speed Big Four "30" 4 Cyl. 3-Speed Big Four "45" 6 Cyl. 3-Speed

Write today for Free colored pictures, description and names of users of Big Four "20."

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Good Farm Machinery . . . Established 1852
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Both for \$10 Freight Paid East of Rockies

30 DAYS' FREE TRIAL Money back if not satisfied.

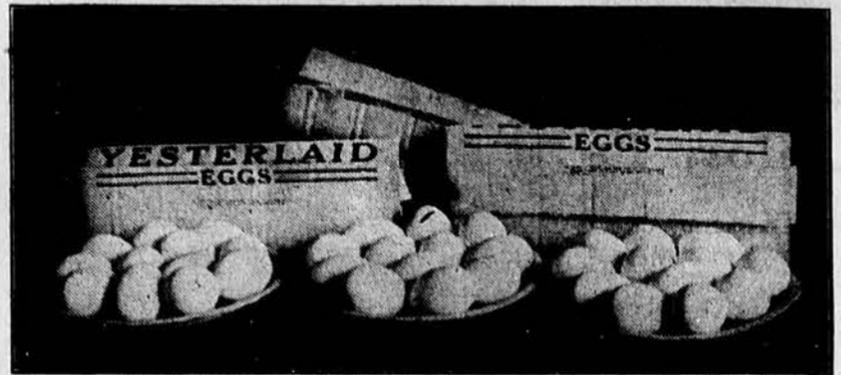
140 Chick Brooder MADE OF CALIFORNIA REDWOOD

140-EGG Ironclad Incubator
Don't class this big, all metal covered, dependable hatcher with cheaply constructed machines. Ironclads are not covered with cheap tin or other thin metal and painted like some do to cover up poor quality of material. Ironclads are shipped in the natural color—you can see exactly what you are getting. Don't buy any incubator until you know what it is made of. Note these Ironclad specifications. Genuine California Redwood, triple walls, asbestos lining, galvanized iron coverings. Legs are heavy, extra deep chick support—hot water iron heat, copper tanks and boiler, self regulator, Tyson Thermometer, glass in door and many other special advantages fully explained in Free Catalog. Write for it TODAY or order direct from this advertisement.

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Send me \$5 and I will send you a bird worth \$10. Send me \$3 and I will send you a bird worth \$5. Send me \$2 and I will send you a bird worth \$3. Other varieties of Standard Poultry in the same proportion. We guarantee satisfaction.

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Stop Wasting Eggs—Stop Losing Chicks

With cheap incubators, a Queen costs but little more and the extra chicks the Queen will hatch soon pays for R. Alfred Cramer, Morrison, Mo., says: "I have operated about ten other incubators and my Queen is superior to any of them." S. L. Todd, Green Forest, Ark., says: "I have tried six other machines, high and low priced, and will say the Queen is the best incubator I ever saw." Ask for free book that tells how the Queen is built to hatch without trouble.

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X-Ray Incubator Co. Des Moines, Iowa

Lice Proof Nests

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NO DOUBT many farmers have thought of the idea of disposing of their farm produce direct to clubs of city people. No doubt, too, a great many city folk have often dreamed of an ideal state of co-operation among themselves—when a little group of neighbors might purchase, direct from producers, the eggs, butter, vegetables, fruit and country hams that they so well like to eat. But until the express companies took a hand in the idea, there was a very slim chance of either producers or consumers getting along very well together in any such scheme. The trouble of course lay in the fact that city folk did not know where they could buy fresh produce in the country, and in the equally important fact that Mr. Producer had no definite information at his disposal concerning the desires, the reliability, or the location of specific customers.

But that condition no longer exists. Any producer who is alive to his opportunities and who will guarantee to deal honestly, says John R. Colter in the Farmer, can find city customers through the express companies. And the city people, by perusing the weekly farm-to-table bulletins that are now put out by all the big express companies, can order produce from country farms almost as easily as from their corner-grocers' shop. The express companies, by organizing consumers' clubs and by helping farmers to cater to the needs of those clubs, are really doing much to link the farm and the city table. Of course there is nothing philanthropic about it—the big transportation companies are simply trying to create new traffic to make up what they lose to the parcel post; but the Buying Club movement, whatever its cause, is undoubtedly of great benefit to both city housewife and country producer.

What impresses one most about this co-operative purchasing plan is its immense popularity. Scarcely a year and a half has elapsed since the first buying clubs were organized by express agents, yet today you can count over 200 in New York City, over a hundred in Chicago, nearly as many in Philadelphia, and scores each in many widely scattered cities—Boston, Jersey City, Washington, Kansas City, Lincoln, St. Louis, Detroit, Pittsburgh, Milwaukee and Louisville. Literally hundreds of other cities have them by the dozen.

Well, what does that mean to the country producer? Look at the monthly order-list of some of these clubs and you will see.

One Buying Club in New York, composed of 300 employes in a jewelry house, placed an order with an express agent last year for more than 8,000 pounds of country produce. This was the month's supply of eggs, butter, honey, smoked hams, bacon strips and other things that the members of the club had asked their secretary to purchase for them. (In the large clubs they have to employ a paid secretary to take care of their enormous orders.) In Chicago, especially among the great tailoring establishments which employ hundreds of workers each, the club idea has spread wonderfully. The clubs "import" fresh vegetables, just as any wholesale grocer would. They buy cherries in quantities that make retailers seem like petty buyers. Chicago is the home of the largest purchasing club in

the country—an organization with 740 members. The regular order-list for this club totals, in money value, \$1,250 a week.

In large manufacturing cities—like Paterson, N. J.—the number of Buying Clubs is away out of proportion to its population. At last reports some 60 purchasing units had been organized for the purpose of bringing farm produce into Paterson without the intervention of several middlemen. And they are doing it, too. So is Fort Wayne, Ind., which feeds a thousand people (approximating 315 families) by its Buying Club purchases. And so is Nyack, N. Y., which has a Community Distributing Club among its well-to-do suburban population. Glance, for instance, at the monthly demands of this particular club:

"1,200 to 1,500 pounds of smoked meats; 900 dozen eggs; 50 dozen bunches of celery; 600 pounds of fresh poultry; butter, honey, maple sirup, and frogs' legs.

The Buying Club movement, spreading rapidly throughout the land, means new and better markets for the producer. There's the significance of it all! No longer completely dependent upon the middlemen—no longer forced to sell through channels which absorb a large share of his profits—no longer a producer merely, but a business-farmer, who raises and markets his goods like the manufacturing mail-order houses.

The future of the thing is large. The possibilities of the combination-package alone are large. Some farmers have already experimented with the combination package—15 dozen eggs and 10 pounds of butter direct to the small Buying Club; a bushel each of apples, potatoes and pears; or a peck each of half-a-dozen kinds of vegetables. Surely this wave of co-operative purchasing is a significant development in our agricultural life. The demand already created by means of the existing clubs is daily calling more and more producers into this new kind of marketing. It is not hard to see very important benefits in store for the American producer, as a result of the Buying Club idea.

Mrs. Herron Buries the Hatchet

Dear Sir: It has frequently occurred to me that readers interested in poultry raising could help one another very much by giving their experiences through these columns. We raise several hundred chickens every year and have lost a good many dollars' worth from Roup. I used many remedies, none of them successful, so took to using the hatchet, but found that treatment costly. Then I sent 50c to the Walker Remedy Co., L-2, Lamoni, Iowa, for their Walko Remedy, and out of 96 hens that had the Roup bad, I saved all but three. I can't speak too strongly of the treatment, for it certainly does the work, and for White Diarrhea among little chicks it just can't be beat. It makes chicks stronger and grow faster. If more people knew about it, they wouldn't lose half their incubator chicks with White Diarrhea. Mrs. Nellie Herron, Eagleville, Mo.—Advertisement.

A first class light is now as possible in the country as in the city—gasoline, electricity, carbide, to say nothing of other systems, all offer their advantages. Why putter around in the dark!



Union Pays in Cream Sales

A Co-operative Association Can Be Made Profitable For the Marketing of Butterfat to Creameries

MANY of the growing dairy communities in Kansas are expecting to build co-operative creameries—some time. Until that day comes, the co-operative cream station affords a means of consolidating or concentrating the supply of cream from any community, thereby greatly reducing the overhead charges and consequent waste involved in operating a number of stations by different concerns. These advantages may be obtained without sacrificing the benefits derived from healthful competition because the cream is sold to the highest bidder. The co-operative cream station is in reality a centralized market for the community in which it is located.

The cost of organizing and equipping a co-operative cream station is small compared with the first cost of a co-operative creamery, says J. H. Frandsen in the American Co-operative Journal. As the work of a cream station is confined to receiving, sampling, grading and shipping, there is not the expense nor the responsibility involved in operating a cream station that there is in a creamery. Furthermore, the cream producers have a voice in the policy of the establishment; consequently, a co-operative cream station is more effective than a private concern in creating a sentiment in favor of cream grading and other measures for improving the quality of the output.

The Advantages Found.

The far reaching effects of organized effort must not be lost sight of. Not only in the matter of improving the cream supply or increasing the output of the plant, but for any other movement which looks to the betterment of dairy conditions or dairy methods, more progress will be made where it is possible to deal with farmers' organizations instead of dealing with individuals.

The concentration of all the business of a district into one unit is desirable only when that one business unit is controlled by the producers. It has been pointed out that the eliminating of competition would reduce the cost of the butter fat to the creamery and yet under existing conditions, and in the light of the past experience with big business, it is not desirable to allow one concern to control the trade or a considerable portion of the trade in a given locality.

To the Highest Bidder.

Under present conditions the producers would not get the full benefit of reduced operating costs by giving one concern an unrestricted monopoly in the community. The solving of the problem must lie in organized cream marketing through the co-operative cream station. The co-operative station eliminates the economic waste by having one cream station do the work that under present conditions is done by several plants. It gives the entire production of the community to a single concern without giving that concern a monopoly on the territory in which the station is located. As the plan is to sell the cream to the highest bidder, the co-operative station combines the advantages of honest competition with the advantages of concentration and quantity shipments.

The creameries buying from co-operative cream stations can afford to pay a better price for the butter fat not only because they are relieved of the cost of maintaining a station, but also on account of the reduced risk. The entire supply from a station is consigned to the highest bidder. The creamery that makes this bid is sure of the entire supply from the station so long as it meets the market price for cream. Under a competitive system there is always more

or less of a tendency for some patrons to change about. No little amount of time must be given to canvassing the territory for more cream and to head off competitors. All of these items of cost are eliminated or nearly eliminated in the co-operative cream station and, as a result, a creamery seeking a supply of cream can come to this central cream market and bid for the supply. A better and more attractive price can be offered because it is necessary to go over a large territory in search of the individual producers.

The Chief Outlet.

This system does not aim to eliminate the centralized creameries. The centralized creamery is and will be for years to come the principal outlet for the cream produced in a large part of the Middle West. The farmers who organize a co-operative cream station must still recognize the centralizer as one of the best customers. There are many reasons why the centralizers should favor the plan. Quantity shipments can be better taken care of and handled cheaper than numerous small shipments. This in itself would be a saving in time, energy and money. More important than this, however, is the fact that in bidding for cream of a certain quality the creamery will have, in the co-operative cream station, a more effective means of enforcing the demands for better cream. The fact that

Every two years the average voter steps into a voting booth and there in less than five minutes, selects fifty or more officials to conduct the affairs of his state and county for the next two years. If this same man were looking for a hand, a clerk or a helper in his private business, he would at least spend several hours and probably write a letter or two inquiring into the qualifications of several men competent to do the work he wants done. This is one of the differences between the conduct of public business and the conduct of private business which makes the one cost so much more than the other.

the station is operated by the producers makes the responsibility for the quality of the cream rest upon the producers themselves.

There are at this time a few co-operative cream buying associations in the state. I have in mind particularly the Cushing Co-operative Cream Buying station of Cushing, Neb., which has been operated very successfully for several years. Their plan of organization is very simple. The station was started by about 50 farmers living near Cushing. Each contributed one dollar. With this money the necessary station supplies were purchased. A suitable building was leased and a competent man was hired and put in charge of all of the work of the station.

The cream is sold based on New York market quotations on butter. Every year the various creameries in this state are asked to submit a sealed bid for the estimated cream output for the ensuing year. The bid in each case is based on the price current on a certain day to govern for the week. This bid is understood to be f. o. b. Cushing. The plan has been in operation in Cushing for the last three years, and it has given absolute satisfaction.

The world is full of people who want to do good, but are in no hurry to begin.



The Supremacy of the De Laval Cream Separator

Supreme in Skimming Efficiency

Over 85 years of experience and thousands of tests and contests the world over have demonstrated the De Laval to be the only thoroughly clean skimming cream separator, under all the varying actual use conditions, favorable as well as unfavorable.

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This applies to every part of the machine—to the bowl, the driving mechanism, the frame and the tinware. The De Laval patent protected Split-Wing Tubular Shaft Feeding Device makes possible greater capacity, cleaner skimming and a heavier cream than can be secured with any other machine.

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The De Laval is substantially built. The driving mechanism is perfectly oiled and the bowl runs at slow speed, all of which are conducive to durability and the long life of the machine. While the life of other cream separators averages from three to five years, De Laval will last from fifteen to twenty years.

Order your De Laval now and let it begin saving cream for you right away. Remember, that a De Laval may be bought for cash or on such liberal terms as to save its own cost. See the local De Laval agent, or if you don't know him, write to the nearest De Laval office as below.

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This has been the greatest factor in De Laval success. Not a year goes by but what some improvement is made in De Laval machines. Some of the best engineers in America and Europe are constantly experimenting and testing new devices and methods, and those which stand the test are adopted.

Supreme in Service

With its worldwide organization and with agents and representatives in almost every locality where cows are milked, no stone is left unturned by the De Laval Company to insure that every De Laval user shall get the very best and the greatest possible service from his machine.

Supreme in Satisfaction

De Laval users are satisfied users, not only when the machine is new, but during the many years of its use.

Supreme in Sales

Because they are supreme in efficiency, construction, durability, improvements, service and satisfaction, more De Laval Cream Separators are sold every year than all other makes combined.

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AND UPWARD
CREAM
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Why pay \$20 to \$25 for merely ordinary ready made clothes—when you can get this guaranteed all pure wool blue serge suit—the greatest value ever offered—tailored to your measure for only \$15—and especially when to secure your first order we will line it with a regular \$4.00 Satin Lining FREE and pay all shipping charges. We take all the risk—we guarantee to please you in materials, fit, style and workmanship or you don't pay us one cent. Send today for our Big Catalogue—70 Samples of plain and fancy suitings—also lowest prices on men's high grade furnishings, hats and shoes—our system of selling direct through no agents, stores or dealers saves you big money. Write to **BERNARD-HEWITT & CO., 304 W. MORGAN, CHICAGO**

Lorimer of the Northwest

BY HAROLD BINDLOSS

Author of "Ranching for Sylvia," "By Right of Purchase," "Winston of the Prairie," "Alton of Somasco," and Other Stories.

(Copyright Frederick A. Stokes Co., N. Y.)
THE PLOT OF THE STORY.

We've been several weeks telling of the hard work and the adventures of two young Englishmen, Ralph Lorimer, leading man in this company, and Harry Lorraine, his good natured partner. After crop disappointments enough to make many persons quit the business these two young farmers take a contract to build the roadbed for the railroad then building through the Northwest. Lorimer is in love with Grace Carrington whose father, Colonel Carrington, is opposed to him as a son-in-law. Lorimer finally returns to his farm with his sister as house-keeper while Lorraine continues the railroad work. Some of Lorimer's cattle are stolen and a special train is hired to catch the thief at Winnipeg. After this Lorimer and his partner go gold hunting. One man is drowned in a mountain torrent in trying to rescue a pack of provisions. Lorimer kills a bear after the party is almost famished, and everyone eats.

THE BRINK OF ETERNITY.

SHOUT came down from the range side, and when the others joined me even Harry looked at the bear with hungry eyes, while it did not take long to perform what the French-Canadians call the even-ter, and, soon we bore the dismembered carcass into camp. We feasted like wild beasts—we were frankly animal then—and it was not until hunger was satisfied that we remembered the empty place. Then we drew closer together, and, though it was mere fancy, the gloom of the forest seemed to thicken round the circle of fading firelight, as Harry said:

"He was the life of the party at either work or feast. Ralph, we shall miss him sorely; a sound sleep to him!" No one spoke again, and, drawing the two remaining blankets across the three, we sank into our couches of spruce twigs and slept soundly. It was after midnight, by the altitude of the moon, when the prospector roused me, and I sat up with chattering teeth, for there was a bitter wind.

"Don't you hear it?—there—again!" he said. I was not quite awake and, when a tramp of footsteps came faintly out of the obscurity, at first I felt only elation. Johnston had escaped and followed our trail, I thought. This was short-lived, and was replaced by superstitious dread, for there could be no human beings within leagues of us, and yet the ghostly footsteps drew steadily nearer and nearer. Even the miner, who had spent half his life in the ranges seemed uneasy, for he stretched out his hand for the rifle, and Harry started upright as a challenge rang through the stillness.

"Stop there, and call out what you want, whoever you are!"

There was no answer from the silence, only the footsteps still approaching, and Harry looked at me curiously when the miner called again.

"Keep back—tell us who you are before we fire on you!"

Then a hoarse voice reached us: "If you have nothing to eat it won't matter much if you do. We are three starving men, and past doing anybody an injury."

"Come forward," I shouted. "We have food here," and three figures staggered into the glow of the fire. The foremost seemed familiar, and I could not repress a start when the red blaze leaped up, for Geoffrey Ormond stood before us leaning heavily on a rifle. His face was thin and furrowed, his coat badly rent, and his very attitude spoke of utter weariness.

"Lorimer, by all that's wonderful!" he exclaimed. "You were not exactly friendly the last time we met. In fact, I almost fancied you wished to ride over me. I hope we're not intruding, but we're most confoundedly hungry."

The last words were unnecessary, for the way the men behind him glanced at the meat showed it plainly enough.

"I must apologize for a fit of temper," I said, holding out my hand, "but it happened near the settlements, and old quarrels don't hold up here. We have food to give you, and we hope that you will consider yourselves welcome."

They certainly did so, for more bear steaks were laid on the embers, and while one of the newcomers, stripping a cartridge, rubbed powder grains into the flesh another produced a few of the fern roots which in times of scarcity the Siwash Indians eat. When at last they had finished, one of the party, pushing back his fur cap, turned to me.

"You ought to remember me, Lorimer," he said.

"Of course I do, Calvert. Didn't you hire my horses once?" I replied. "You

must take my meaning the right way when I say that I'm pleased to see you here. But what brought you and the others into this desolation?" Calvert's eyes twinkled. "The same thing that brought you—stories of unlimited treasure. When I heard them I left my few machines—they were not working well, and humbly craved the autocratic president of the Day Spring mine's permission to join this expedition. The Day Spring was not prospering in such a degree that we could afford to ignore the rumors—eh, Geoffrey?"

"You may put it so," said Ormond quietly. "But Colonel Carrington is your acknowledged chief, and you owe him due respect."

"Well," the narrator continued, "we came up, six sanguine men and one despondent mule, which showed its wisdom by breaking its tether and deserting. I gather that these expeditions are generally rough on cattle. Then we lost our way, and, provisions growing scanty, divided the party, three returning and three holding on, Geoffrey and I, unfortunately, among the latter. We got lost worse than ever on the return journey and were steering south, we hoped, at the last gasp, so to speak, when we found you. That's about all, but, if it's a fair question, did you find any sign of gold?"

"Not a sign," I answered. "Yours was a triple combination," Ormond said. "Where's your cheerful partner? I liked him. Ah, excuse an unfortunate question—a difference of opinion most probably?"

"No," I answered. "We never had a difference of opinion since poor Johnston joined us. He lies somewhere in a nameless river—we lost him crossing a treacherous ford two days ago."

Ormond looked startled for a moment, then he bent his head and answered with a kindly glance toward me: "He was a good comrade, and you have my deep sympathy. May I say that sometimes I fancied your friend could tell a painful story, and in endeavoring to forget it made the most of the present."

"You probably are right," said Harry. "He hinted as much, but no one will learn the story now. He took his secret with him, and the river guards it."

"It's an old tale," said Ormond gravely. "The way into this country was opened by the nameless unfortunate. After all, where could a man rest better than among the ranges through which he had found a pathway. Are not these dark pines grander than any monument? Poor Johnston! Lorimer, I wonder, if we knew all, whether we should pity him?"

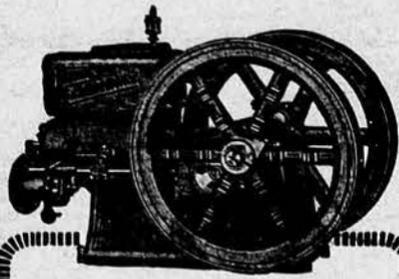
His face grew sadder as he spoke, but it was Ormond who presently dispelled the gloom by a humorous narrative of the doings of the vanished mule, after which we went to sleep again. A pale blink of sunshine shone down when we started south the next day, for we had agreed to march in company, but the weary leagues lengthened indefinitely, and there was still no sign of the eagerly expected trail leading to Macdonald's Crossing, until, when we almost despaired of finding it, one of the party assured us that we should reach it before the second nightfall. During the morning Ormond and I lagged behind the others as we wound with much precaution along the sides of an almost precipitous descent. He limped from a small injury to his foot, made worse by exposure, and as it happened a passing mention of Colonel Carrington stirred up the old bitterness.

Why should this man enjoy so much while I had so little, I thought. I was handicapped by poverty, and his wealth lay like an impassable barrier between Grace and myself. Then, though I tried hard, I could not drive out the reflection that all would have been different if he had not found our camp. Our partner had gone down in the black pool; we could not save him, but chance had made it easy to succor the one man who could bring me sorrow in his necessity.

A great slope of snow ran upward above us, and as far as eye could see there was a white confusion of glittering ranges. The footprints of our comrades wound in zig-zags among deep drifts and outcrops of ice-touched rock across the foreground, and perhaps twenty feet below the ledge on which we stood a smooth slide of frozen snow dropped steeply toward the edge of a precipice, through a gully in which we could see the tops of the climbing pines far beneath. A few small clumps of bushes and spruce rose out of this snow.

"It's an awkward place for a lame

(Continued on Page 24.)



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"Our 12 cows last year, from March 1st for the following nine months, averaged us \$1 per week per cow!"

"This is Poor-Man's Country. My grain crop this season will more than pay for the land it was raised on!"

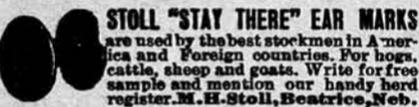
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MR. AUTO OWNER—Why pay from \$15 to \$50 to have your car done over when 1/2 Gallon of U-AUTO-VARNISH, \$2.75 (prepaid), will give a touring-car two coats—a coat today, another tomorrow, and the next day you can drive it, a new-looking car, with a beautiful, lustrous and durable finish.

YOU CAN DO THIS YOURSELF in from one to two hours. U-AUTO-VARNISH not only makes your car look new, but it is a protective covering to the paint. Your car need never go to the paint-shop if you give it a coat of U-A-V when it loses its luster. FARM IMPLEMENTS, AUTO TOPS, CARRIAGES and many other weather exposed surfaces need U-A-V.

NOTICE—We also make an INTERIOR VARNISH, 1/2 Gallon \$2.35, Prepaid, which is applied with cheese-cloth and is especially designed for the Home, Church and School Furniture, Floors and Woodwork, and all Interior Finishes.

Send Check or Money Order at once to U-AUTO VARNISH SALES CO., (DISTRIBUTORS) 1621 GRAND AVE., KANSAS CITY, MO. Write for Agency. Liberal discount to Dealers.

THIS BIG, 3 1/2 FOOT TELESCOPE FREE



This is a real telescope and not a worthless toy. It is made by one of the largest manufacturers in Europe. When closed, as shown in picture, the telescope is 13 inches long and has a circumference of 5 1/2 inches. When all 5 sections are pulled out the full length is over 3 1/2 feet. It is built of the best material, brass bound throughout. We furnish with each telescope a solar eye piece for use in studying the sun and the solar eclipses. Eye piece can also be used as a magnifying glass to detect insects or germs in plants or vegetables.

Powerful Lenses 5 to 10 Mile Range

The lenses in this telescope are carefully ground and correctly adjusted by experts. See objects miles away. Farmer said he could count the windows and tell the color of a house 7 miles away and could study objects 10 miles away which were invisible to the naked eye. Absolute necessity for farmers and ranch men. They can keep their eyes on the cattle, horses or men when far distant.

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Eighth and Jackson, TOPEKA, KANSAS.

Wise Instructions to Teachers

Superintendent F. G. Bittikofer of Crawford county, Ohio, has issued the following instructions to the teachers of his county, which, with possibly a few exceptions on account of local regulations and conditions, are applicable to teachers everywhere. They were published in the Ohio Teacher:

Teachers will be held responsible for the government, heat and ventilation of their respective schoolrooms. Keep the thermometer at seventy. Vessel filled with water on the stove.

Be neatly attired.
Be kind and considerate. The school exists for the child not the child for the school.

With the help of the district superintendent reduce the number of recitations if necessary.

Never lose self control.
Use corporal punishment only as a last resort. Have a witness.

Avoid punishment before the school if possible.

Teachers will be required to make a report of their reading circle work.

See to it that the schoolhouse is kept neat and clean.

Take proper care of desks, books, and all school property.

A safe and proper place should be provided for all school property. Teachers should see to it that everything is kept in its proper place.

Bury the short pieces of crayon. Clean the chalk troughs frequently.

Burn the cast off material at least once a week.

Read to the pupils at various times their instructions.

Have a daily program of recitations and study periods posted in a conspicuous place in the schoolroom.

Teachers should use the study recitation to advantage.

Supervise the playing of the children. Mingle with them on the playgrounds if possible.

Use written lessons as often as necessary to develop the written expression

of the child. For instance, at the close of a unit of subject matter.

Do not insist on home study in the lower grades.

Lessons should be such that the normal child can and will get them.

Explain thoroughly all new lessons before assigning them.

Teach pupils to think properly.

Teach pupils to develop independent judgment.

Call on your district superintendent for help.

Read educational journals. A report will be required.

Cultivate a pleasing voice.

Hold pupils to strict account for their conduct to and from school.

Do not accept work slovenly done.

Keep a careful record of attendance.

Make a report to Board of Education before drawing salary.

Report truancy to district superintendent at once.

Think much. Say little. Study yourself.

Let your work be well done. Get results.

The following instructions to pupils is printed on gummed paper for pasting in their books.

Pupils should be respectful to their teachers, regular and punctual in their attendance.

Do a good deed whenever you can.

Be respectful to the aged and infirm.

Use pure language.

Spurn the filthy story.

Be fair and honest in your work and play.

Aim to do your work neatly, accurately and correctly the first time.

Aim to have the respect of your associates.

Observe the Golden Rule.

Take good care of books and all school property.

Pupils are subject to the teacher, district and county superintendents.

\$76 a head while the weaning colts from the same mares but sired by draft stallions averaged \$101 a head.

Kansas needs better horses. The work on the farm should be done largely by brood mares. These mares should be sound and of a heavy draft type.

They should raise colts every year from good draft stallions. These colts, if properly grown, will be ready to work when they are two and one-half years old.

They will earn their board from then until they are old enough to be sold at high prices. The feed the colt receives during the first 18 months of its life largely determines what it will be at maturity. Good breeding gives us the possibility but good feeding is necessary to develop this possibility.

Farmers must work together. One man working alone can do very little to change the horse stock in any section. Community co-operation in the selection and use of sires is necessary for the best results. Do not mix breeds. Stick to one type and one breed and make your community famous for the production of horses of that type and breed.

C. W. McCampbell.
Kansas State Agricultural College.

A poorly ventilated stable, full of foul odors, is always damp and chilly.

Better Horses Are Needed

Motor trucks are not hurting the market for draft horses. This is shown by the prices paid for this class of horses on the Chicago market last year. All horses which weighed 1,600 pounds or more sold for an average of \$213 a head. This is said to be the highest average price ever paid in Chicago for draft horses.

Kansas can grow horses of this class but some sections of the state are not doing it. Most of the horses from these sections class as chunks. Horses of this class sold on the Chicago market last year for an average of only \$98 a head.

Heavy, well bred stallions must be used to produce high priced drafters. These stallions must be of the draft type, sound and large, and have plenty of substance and quality. Records in my office show that 44 per cent of the stallions in one section of the state are the kind which sire \$98 chunks instead of \$213 drafters.

I saw a farmer sell his horses at a public sale some time ago. His mares had been bred to grade stallions for several years but last year he had changed to a good draft stallion. His yearlings, two-year-olds, and three-year-olds by good sires brought \$37, \$55 and

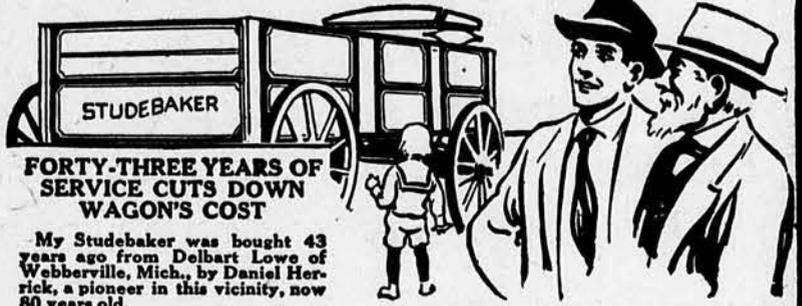
Do You Read the Story?

Because of conditions which could not be changed at the last moment—conditions which only an editor understands—it was impossible to print the regular installment of our serial story, "Lorimer of the Northwest," in the Farmers Mail and Breeze of February 20. Did you miss it?

We wonder how many of the subscribers are reading this great story. It is a grave question in these editorial rooms. We wonder whether the readers care for a serial story. We wonder how many of the 105,000 subscribers missed this story last week. Wouldn't it be a fine compliment if we were to receive 1,500 letters complaining about that story's being left out?

Did you miss it? Do you like it? Do you like a continued story?

Studebaker
WAGONS BUGGIES HARNESS



FORTY-THREE YEARS OF SERVICE CUTS DOWN WAGON'S COST

My Studebaker was bought 43 years ago from Delbart Lowe of Webberville, Mich., by Daniel Herrick, a pioneer in this vicinity, now 80 years old.

In 1887, S. E. Dean bought the wagon from A. B. Herrick, Daniel's son.

Eight years ago L. C. Dean, son of S. E. Dean, bought the wagon from his father and still uses the wagon on his farm.

The wagon has stood out of doors for 26 years; a yard and a quarter of gravel can be drawn in it now.

Levi C. Dean,
R.F.D., Webberville,
Mich.

A Studebaker that has served three generations—

FORTY-THREE years ago Daniel Herrick bought a Studebaker wagon. Mr. Herrick's son sold the wagon to S. E. Dean and Mr. Dean's son is using the same wagon on his farm today.

Think of the money that sturdy Studebaker wagon has made for every one of its four owners.

But that's the way with Studebaker wagons—they are a fine investment for they always pay dividends on the original cost.

Not the Cheapest but the Best

It is true a Studebaker wagon may cost you a few dollars more than a cheaply made wagon but when you consider the years of service you get from the Studebaker isn't it much the cheaper wagon in the end?
In fact, it is a safe proposition to judge

your wagon by what it costs you per year. Records prove that you can expect at least thirty-five years of service from a Studebaker. Figuring that way it is the cheapest wagon in the world. Studebaker also makes Buggies and Harness warranted to give satisfaction.

STUDEBAKER, South Bend, Ind.

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Adv. 2033

Studebakers last a lifetime

Double the Profits of Your Farm

NOT WHAT YOU RAISE in your fields but what you bring to market determines your profit. Ordinary methods of harvesting waste half the food value of the corn. You can save this and convert it into cash by storing all your crop in the air-tight walls of an

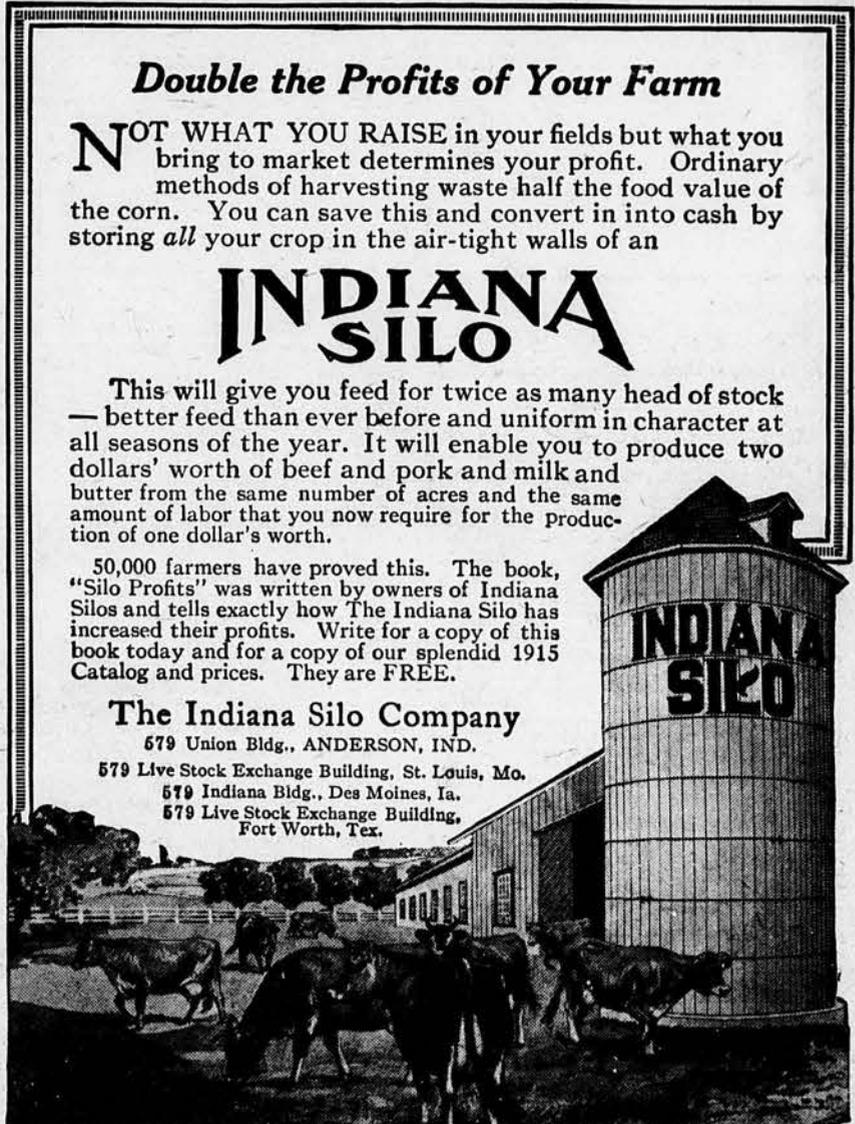
INDIANA SILO

This will give you feed for twice as many head of stock—better feed than ever before and uniform in character at all seasons of the year. It will enable you to produce two dollars' worth of beef and pork and milk and butter from the same number of acres and the same amount of labor that you now require for the production of one dollar's worth.

50,000 farmers have proved this. The book, "Silo Profits" was written by owners of Indiana Silos and tells exactly how The Indiana Silo has increased their profits. Write for a copy of this book today and for a copy of our splendid 1915 Catalog and prices. They are FREE.

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are now being made by farmers in addition to the income from their farms.

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Build a silo on your own farm, use it as a sample to secure orders from your neighbors. You can also build Water Tanks, Grain Bins, Hog Houses, etc. Your profits will soon pay for your outfit and give you a handsome income besides.

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Purchase of one complete Monoco Silo outfit gives you exclusive county right. A wonderful opportunity for some one responsible farmer in your county. Monoco Poured Concrete Silos are best—cold draws steel reinforcement makes them proof against cracking—they'll last forever. It will surely pay you to write us.

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Teach Your Boy How to Trap

If He Doesn't Play Fair, Blame Yourself, Not Him

BY C. L. CHAMBERLIN

WHY is it that so many fathers explain in print over their own interest in trapping and then when deploring the present conditions of trap stealing, fur taking, early trapping, poor fur preparation, and the like, ascribe it to irresponsible "men and boys?" If the boys are to blame why not instruct them in the proper methods of fur taking? The average boy has a strong element of fair play running through him. He dislikes anything that is underhanded or that is based on an unequal advantage. Show him that interfering with another's traps, even springing them, is not fair play and that taking the animals found therein is stealing as much as entering that man's house and taking his purse. Show him that trapping before the proper time is taking an unfair advantage of his fellow trappers wholly unjustified by the desire to excel in the amount of one's catch or by the sum of money received from the sale.

I for one do not believe that boys are guilty of this work to any greater extent than their fathers. Who can ask or expect a boy to be better or greatly different from his parent, the male being with whom he has associated from earliest memory and whom he regards with affection and pride mingled with a feeling of desire to emulate his acts whatever their nature? Did you ever think of that, you men who are fathers? Can you ask or expect a boy to keep away from things he sees and knows you to be doing? Will your simple "Don't do that, Willie, or I'll give you a big tanning," prevent his doing what you, his ideal hero, are known to do? On the other hand, fathers, do you want your boy to avoid and shun certain things knowing them to be wrong and at the same time know that you, his father, are doing them? Do you want him to lose faith in you as one unworthy his love and confidence? Nay, verily.

Then take your boy out on your trap line. Give him a certain ground, show him how to make proper sets and go over the line with him once in a while to make sure he is following your instructions. Above all, teach him fair play towards the beasts he takes, to the animals that escape his skill, to his fellow trappers and to you, his instructor and chum. For you can lose his faith and confidence, and most deservedly, too, by promising him that if he looks after the traps on certain grounds, makes the sets, hunts fresh bait, visits the traps regularly, removes the hides carefully and stretches them as he should, he may have all the money obtained from the sale of these furs to be used as he pleases so long as it does not injure him or others, and then when he has a nice lot of furs, taking them yourself, pocketing the proceeds and telling him he is a boy, living at home and doesn't need the money, and it ought to go to his father any way for taking care of him and feeding and clothing him. A nice type of father, truly. What sort of son do you really think you will raise under such conditions? Can you reasonably complain if he turns out a real criminal? You taught him his first lessons in dishonesty, you must remember.

Begin in the Summer.

When summer comes, take the boy out some rainy day when farm work slacks up, go with him over the best trapping grounds, point out the signs and show him how to tell the dens that are now occupied and the species of animal that dwells in each. Teach him to avoid breaking down the grass and weeds sheltering the dens, to keep off the brush piles and to avoid disturbing anything around a den. By so doing, you do not frighten off the fur bearers but allow them to go on bringing up the family of young, which are growing big, healthy bodies, the kind that later raise the rich, glossy coverings for which you

and the boy will receive much shining silver and rustling green.

The boy will hanker to try a trap along about the last of September when the frosts first begin to show up thick and heavy and the nights get cool. Tell him he hasn't yet thought of getting out his winter overcoat and neither has the fur bearer. When continuous cold weather begins about November, the middle of that month is plenty early, the rats, skunk and mink will get on their heavy winter overcoats, the kind you want for some wealthy lady's muff, gloves and coat collar. A simple illustration found on almost every farm home is seen in the case of two cats, one allowed to lie most of the time in the house by the warm stove, the other kept at the barn, made to catch his food and to curl up in his own skin to protect himself from the keen frosts and cold nights. The house cat in the warmth of the house feels no need for heavier fur and none grows. The cat at the barn looks to himself and the means of nature for protection from the cold now and later when winter is on in earnest, left to itself the cat grows a heavy coat of fur in which it easily protects itself from the cold. Nature has so constituted these animals that they naturally grow a protection when exposure to the cold makes it desirable. So long as the animal is not so exposed the thick, close, cold-weather fur does not develop. Thus it is with the wild animals of field and forest and thus the fact should be clearly set forth to the boy who may feel inclined to set out a trap in early fall.



Don't Kill For Mere Sport.

Another thing to be told the boys is to avoid shooting or dogging the fur bearers in summer. Summer is the breeding time, the time for raising the little ones and bringing them to the full maturity which guarantees the perpetuity of the species. Why then be inclined to shoot or otherwise kill every creature that happens in your way? God gave us the beasts of the field for our use but when we make no use of them we have no right to kill. True, there are times when it may be necessary to kill without being able to derive any great benefit from the animals killed. A poultry raiser who keeps valuable, high grade poultry missed from his flock whenever any wandered near a great log and stump pile at the edge of his wood lot. He watched this, discovered a family of minks living there and burned the pile. Three of the animals ran from the blazing pile and were allowed to escape although the barking dog at hand prevented their stopping at any near retreat. Had he been able to restrain their depredations this mink family might have yielded him a tidy sum along towards Thanksgiving. As it was, the loss of valuable poultry compelled the removal of the mink family from the vicinity. But he did not do as many would, use gun and dog and exterminate rather than drive away this family of blood-thirsters.

On another occasion two boys wandering in the woods with dog and a 22 rifle espied a den of skunks. Not caring to approach, they found a commanding view at a safe distance and whenever one of the kittens came into sight, they took turns shooting until they had killed five kittens and one old animal, all beautifully marked. Think of the fur destroyed through this desire to kill. Teach your boy the waste of property there is in the wanton killing of fur bearing animals in summer when their fur is worthless. It is that vein of savagery which, at times yet runs in the blood of the most civilized, best trained, seemingly the most highly educated. Do what you can to stamp it out of both the race and the individual by teaching your boy that any form of life is valuable and not to be taken without a purpose.

Let the Chickens Make Your Living

E. E. Johnson

Bank the Other Profits

Let me send you the Old Trusty Book and show you how the chickens can help you make two incomes instead of one. This book gave the ideas to 580,000—why not to you?

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Just the machine for you if your herd is small. Famous patented Carved Disc bowl, owned exclusively by us, skins warm or cold milk exhaustively. Finest grade of tinware. Enclosed dust-proof gears. Quality is guaranteed to every particular. Splendid show organization, factory equipment and quantity output, accounts for low prices impossible without great output. Equally attractive prices on larger Separators. Write for descriptive Separator book.

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FITS YOUR OLD LAMP.

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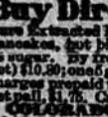


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Pure extracted Honey—superior quality—fine to eat on pancakes, by itself, combined, etc. almost as cheap as sugar. By freight, one case, two 5 gal. cans (20 lbs. net) \$10.50; one gal. can, \$5.00 f. o. b. Denver. Express charges prepaid to points west of Mississippi River. 10 lb. net per 11 1/2 Cash with order. Satisfaction guaranteed.

COLORADO HONEY PRODUCERS ASSN.
1440 Market Street, Denver, Colorado.



Motor Rides 5 Cents a Mile

(Continued from Page 10.)

on top of a range of gravel hills. This meadow had been pastured ten years ago and the grass was so badly killed out that it seemed that it could never be brought back. But it has been restored by the simple method of keeping all stock off it and mowing it every year.

The first year this 400-acre meadow was mowed after a long siege of pasturing it produced little hay. The owner had rented it for five years to a hay man and the agreement was that nothing should be charged for the first year. The hay crop the first year no more than paid for the cutting; but since then the grass has been coming back and there is now on it as good a sod as when white men first came to this country. Weeds can be killed to some extent in a prairie field by late burning in the spring, say from May 1 to May 10. A meadow burned late will not produce so much hay as one not burned, but the quality of the hay will be better and there will be fewer weeds.

We are in receipt of a letter from a reader in Ottawa county. He has not lived in this country very long, having come over from Yorkshire, England, and he says that one of his ambitions is to become a good stacker of bundle grain. We are sure his ambition is a laudable one. The country needs good stackers but they are becoming fewer and fewer in these days of shock threshing. Our friend asks for pointers from readers of the Farmers Mail and Breeze on stacking bundle grain. We hope they will accommodate him. But stacking is an art that can scarcely be learned from books or papers; a lesson or two personally by a good stacker is worth twenty by mail. Our friend says that his main difficulty lies in keeping the bundles from slipping. It is hard to keep a good slope with wheat bundles and not have some slipping and it is an art that the writer cannot teach. He is no better stacker than the average, which is not very high praise.

Silage Settled From Wall

There are six or seven silos in this part of Rooks county. The silage settled away from the wall 4 to 12 inches to a depth of 4 to 7 feet in the tops of all of them. This caused 2 feet of spoiled silage to that depth in every silo. I should like to have someone tell me the cause of this loss and how to prevent it the next time the silos are filled. Rooks County, Kansas. I. W. H.

The silage probably was not evenly distributed and tramped well in the top of the silos. The grain and heavier particles have a tendency to fall in one place when a distributor is not used or when the silage is not distributed. The silage should be spread over the silo evenly to prevent too much weight accumulating in one place. This causes the silage to settle away from the wall allowing the air to get in and cause considerable damage. The remedy is to keep two good men in the silo while filling it. They should keep the edges well tramped and see that the silage is evenly distributed. It is a good plan to keep the silage around the edges a little higher than that in the center. The wall should be wet thoroughly before the silo is filled. T. W.

Artichokes For Hogs

I have been growing artichokes for my hogs about 13 years and find them profitable. The tubers should be cut with one or two "eyes" to the piece the same as potatoes are cut. They should be planted and cultivated the same as potatoes. If they are planted in April they will be ready to pasture in October. This is just at the time the hogs should be taken off the alfalfa.

The hogs will live on the artichokes all winter. They will root them out of the ground and eat them as they want them. None of the artichokes will be wasted. They will keep in the ground all winter as freezing makes them sweeter and better. J. O. Rea. Wichita, Kan.

Cabbage is one of the best winter green foods, but should be fed in rather limited quantities to prevent flavoring the eggs injuriously.

The Royalists of France are proving their loyalty with their lives, more than 1,200 having already fallen in battle.

TIMKEN
ROLLER BEARINGS

Know Motor Car Values

To know motor-car values you need to know the values of the parts.

Because the motor-car is a machine. And its use-service-value depends upon the rightness of its component parts.

No parts are more important to know than the bearings—because they safeguard the other vital moving parts that give "life" to the car.

Where the Bearings Are: On the axle spindles in the hubs of all four wheels, in the steering knuckle heads, in the transmission, on the pinion shaft, each side of the differential—these are the hard service places where only the best bearings will stand up to year-after-year use.

Bearings must reduce friction to almost nothing. They must sustain the weight of car and passengers, and the sudden increases in pressure that come with rapid travel on rough roads. They must also meet severe "end-thrust"—the mass momentum of car and contents which press side-wise against the wheels as you round a corner. *Keep both vertical load and "end thrust" in mind as you read further.*

Types of Bearings in Use: Anti-friction bearings may be divided into two general groups—Ball Bearings and Roller Bearings. These groups may be sub-divided thus:

- | | |
|------------------------------|--------------------------|
| Ball Bearings | Roller Bearings |
| 1. Annular. 2. Cup-and-Cone. | 3. Straight. 4. Tapered. |

The illustrations show an example of each. From the text with the pictures you will note these interesting facts:

- (a) A roller carries more direct load in proportion to its diameter than a ball because it carries the load along a line instead of on one or two mere points.
- (b) Annular ball bearings have very little capacity for end-thrust; and straight roller bearings none, and they cannot be adjusted to take up wear. Hence they are often used with additional thrust bearings, and when sufficiently worn, they must be replaced.
- (c) Cup-and-cone ball bearings meet end-thrust to some extent, but only at great sacrifice of capacity for vertical load.
- (d) Cup-and-cone ball bearings can be adjusted—but this does not restore full efficiency because the slightest wear destroys the proper curvature of the ball race.
- (e) Timken Roller Bearings have greater capacity for both vertical load and end-thrust. Pressure is distributed over wide surfaces, hence wear is minimized. The slight wear inevitable in any bearing cannot affect the taper of cone, rollers or cup. Therefore, simply moving these parts into slightly closer contact with each other brings cup, rollers and cone into the same relations that existed before the minute wear occurred. This "adjustment" restores the Timken Roller Bearing to full efficiency.

The Conclusion is Irresistible: What's more, it is backed by the experience of several hundred thousand motorists with Timken Roller Bearings at the points of severest service in the great majority of motor cars.

Send for Free Book Giving Full Details

Just ask for our book F-61 "On Bearings." We'll also send interesting pamphlet "The Companies Timken Keeps," which gives names of all motor cars having Timken Bearings and tells where they are located in the car.



The Timken Roller Bearing Company

Canton, Ohio Detroit, Mich.



CUP-AND-CONE BALL BEARING
In order to stand occasional end-thrust the cup and cone must be set at an angle which greatly sacrifices the vertical load capacity. It is adjustable but this is really impractical as the slightest wear of the ball race destroys the curvature and the very principle of the bearing.

ANNULAR BALL BEARING
Vertical load capacity sufficient if the bearing is made big enough, but a roller bearing of the same capacity. End-thrust capacity practically none, hence additional thrust bearings are necessary. Not adjustable; must be replaced when wear occurs.

STRAIGHT ROLLER BEARING
Vertical load capacity greater than ball bearing, when of same diameter. End-thrust capacity none, requiring additional thrust bearings. Not adjustable; must be replaced when wear occurs.

TIMKEN ROLLER BEARING
Has an equal capacity for end-thrust on account of the taper of cone, rollers and cup. Is perfectly adjustable—taking up all wear without any sacrifice of its original principles. Much greater vertical load capacity than ball bearings.

Save Expense This Year by Using Farm Power That Stops Eating when It Stops Work

YOU can't turn a switch and stop a horse eating, but you can a tractor. You can farm cheaper by selling your extra horses that you only keep to help out on the heavy work and getting a tractor to take their place. You can also raise bigger crops by Tractor Farming. Few farmers realize how much more power they need. You need more power for plowing deeper, for more disking and harrowing, for harvesting, and for doing all your work quicker at just the right time. Tractor Farming is the way to raise bigger crops, save expense, and have easier work.

Learn All About Tractor Farming with Avery "One-Man" Outfits

There are more Avery Tractors and Plows in successful operation than any other make. Avery Tractors and Plows are built in 5 sizes to fit any size farm—large, medium or small. We also build grain threshers for use with them. Tractor Farming with Avery Outfits is no experiment. Avery Tractors and Plows have been proven out by every kind of test known. Strongly guaranteed. Built by an established company with a large factory and many Branch Houses.

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The Avery 1915 Tractor and Plow Book will tell you why Tractor Farming means bigger crops, less expense and easier work. It gives facts about all kinds of tractor design and construction. It tells all about Avery Tractors and Plows, about Avery Tests, Avery Guarantees, Avery Prices and the Avery Company. Write now for new 1915 Avery Tractor and Plow Catalog and get all the facts.

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"One Man" Outfits. 5 Sizes. Fit Any Farm.

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All Homes Can Be Beautiful

The A B C'S of House Decoration Are Easy To Learn



BY
MARY CATHERINE WILLIAMS
The Farmers Mail and Breeze.

THE little Bride was worried. Anybody with eyes far less sharp than the Helpful Lady's could have seen that very plainly. The anxious little pucker didn't smooth out of her forehead all the time she was taking her visitor's wraps, and they grew even deeper when the two were seated by the fire.

"What's the matter?" asked the Helpful Lady, after she had taken her crocheting from her bag. "Have you broken a piece of the new wedding china, or does Henry say your biscuits aren't like mother used to make?"

The little Bride smiled in spite of herself. "Oh, it isn't so bad as either," she answered, "and yet it's worse than both. I'm having the most dreadful time getting the house settled. I want it to be pretty and homelike and restful and yet I'm not the least bit artistic in my nature. I can't tell what is good in furniture and what isn't, and I wouldn't know a color scheme if I'd meet one in the road and I never even could hang a picture on my wall so it would look right. Most girls have house decoration in college these days, but I always steered clear of art courses. They didn't seem in my line, some way, and now I have that dreadful 'lost at sea and never found feeling' whenever I begin to think of wall paper and carpets. You can see for yourself how little we've done, and we've been married for over two weeks." And the little Bride pointed tragically at the bare wall and the packing box in the corner.

"So that is it?" said the Helpful Lady. "Well, that isn't so bad. The day is past when folks had to be real artists in order to have their homes artistic. Any woman can have a truly lovely home if she will live up to William Morris's motto, 'Have nothing in your house that you do not know to be useful and believe to be beautiful', and then spend a little time studying a few rules of the game."

"That is just it," the little Bride interrupted. "How am I going to study the rules of the game when I never even heard of them? What are they and where can I find them?"

The Helpful Lady stopped to count her stitches before she answered. "Half of it is color, and the other half is rectangles. Does that sound very hard?"

"It does and it doesn't," said the little Bride thoughtfully. "I had rectangles in geometry ages ago, but I can't see how they would help me hang pictures."

"Look at the wall," commanded the

Helpful Lady. "Any one side of it you take is a rectangle. That is what floors and ceilings are, too, and so are windows and doors and rugs and most pictures. Any piece of furniture can be outlined in some sort of a rectangle, and so can pottery and candlesticks and even parlor lamps. It doesn't take very long to train your eyes to see them. There are two general classes, high, narrow, vertical rectangles and low, broad horizontal ones. Whichever rectangle you take, it will be much more pleasing in appearance if the short side is neither exactly one-half nor one-third nor one-fourth as long as the longer side. If the proportion is such that your eye can decide at once just what it is, then it is wrong from an artist's standpoint. Notice the rectangles of walls and table and dresser tops and pictures and such like for a while, then measure a few and see if this isn't so. You have learned one rule of the game already." And the Helpful Lady picked up the ball of crochet cotton that had rolled out of her lap.

"Why, so I have!" cried the little Bride. "Go on, please."

"When you have the outer proportions of your rectangle determined," the Helpful Lady continued, "the next thing to consider is the lines within it which break it into parts. On your walls, for instance, these lines will be made by the base-board or wainscot, picture molding, wall paper, and draperies. To avoid confusion the lines should be as few as possible and should all follow a prevailing direction. This room is good in that respect," she added, pointing toward the walls, "for the picture molding follows the line of the top of the windows. The ceiling is rather high and this breaking of spaces makes it appear lower. If your ceiling had been low you could have increased its apparent height by putting your picture molding next to it. A drop-ceiling wall paper gives the effect of lowering the ceiling, and a striped wall paper running clear to the ceiling gives the effect of height. A low, broad effect is generally more restful than a high narrow one, for vertical lines are stimulating to the eyes. You know yourself how tired your eyes grow from looking steadily at a dress



Pictures Poorly Hung.

of narrow, vertical stripes. You can carry out this restful effect by having windows wider than they are high and letting the curtains come just to the sill. The fireplace, if you have one, should be a horizontal rectangle instead of a vertical one, and the pictures you hang on your walls should have the longest lines horizontal."

"But line is not the only thing one has to consider in windows and doors and pictures, is it?" asked the little Bride after a moment of thought. "Isn't there a sort of spotted effect of light on dark also?"

"Good!" cried the Helpful Lady. "My pupil is learning rapidly. What you mean is something we speak of as mass. Painters have produced wonderfully beautiful effects by the use of dark masses on light, or light masses on dark. There must not be too great a difference in the degree of light and dark or the effect will be too spotted to be restful. White lace curtains are not as good as cream or tan net for this reason, and white framed pictures and white plaster of Paris figures on the mantel or piano seem to jump out at you when you see them against a medium or dark wall paper.

The Way To Hang Pictures.

"Windows and pictures, as I said at first, are rectangles and not only must they be of a pleasing proportion themselves, but they must bear a pleasing relation to the wall as a whole and to one another. Never hang a picture so it divides a wall space into halves, unless the space is quite narrow, and never let it make the space on one side of it exactly one-fourth or one-third the space on the other side. Let the shape of your picture conform to the wall space in which it is to fit. In a narrow, up and down space hang a narrow, up and down panel picture, while, of course in a broad space you may put one long, horizontal picture or a group of several shorter ones. Another thing about pictures is to hang them so that all the tops are in the same line all around the room, or so that all the bottoms make one line. Even if the line is broken in places your eye follows from picture to picture as if it were continuous. Hang your pictures so the lower part, or the center of interest in the picture is on a level with your eyes. Never let a picture hang so it rests on a piece of furniture, or slants acutely from the wall; and always use two straight wires and two little hooks over your picture molding instead of having those dreadful jagged points running up to the ceiling. The slanting lines of the wire have no relation to the other lines of your rectangle and are bad art just as a round picture in a square frame is bad art. The picture is not hard to hang the good way if you use one wire and let it pass through two loops, one on each side of the frame."

"I'm so glad you told me that," said the little Bride. "I never knew it before. I knew, of course, that it is much better to have one or two pictures one really likes than a motley assortment of framed prints and photographs and calendars all over one's wall, but I didn't feel I knew how to hang them. Oh, must you be going already?" for the Helpful Lady had put up her crocheting and risen from her chair. "Why, you haven't begun to tell me about color, and you said rectangles were only half, you know."

The Helpful Lady smiled at her eagerness. "That will keep till tomorrow," she said, "and these men of ours, I've noticed, have to have their suppers on time whether their homes are artistic or not. Come over tomorrow, dear, and I'll tell you what I can then."

"I certainly will," answered the little Bride.

Keep Drinking Water Moving

Did you ever see a pond by the roadside after it had stood about a week? It didn't look very nice, probably, and every day it stayed there the more unwholesome it looked. If it stayed long enough there began to be an odor that was unpleasant as you passed by.

Everybody knows the reason. Only running water keeps sweet and fresh. In standing water the germs that produce disease begin to grow. Nobody if he could avoid it would take a drink from water that had been standing for a week by the side of the road. But just the same thing happens in a well

where the water stands. That is the reason it is always the wise thing to pump out all the water from a well which has been long unused before beginning to use water from that well again.

It is possible, even in a well from which water is taken, to have stagnant water. That is because not enough water is used to keep a fresh supply constantly coming in. In such a case it is a good idea to do some extra pumping. If the stock can't use it the garden can. Pure, health-giving water is water that is constantly moving.

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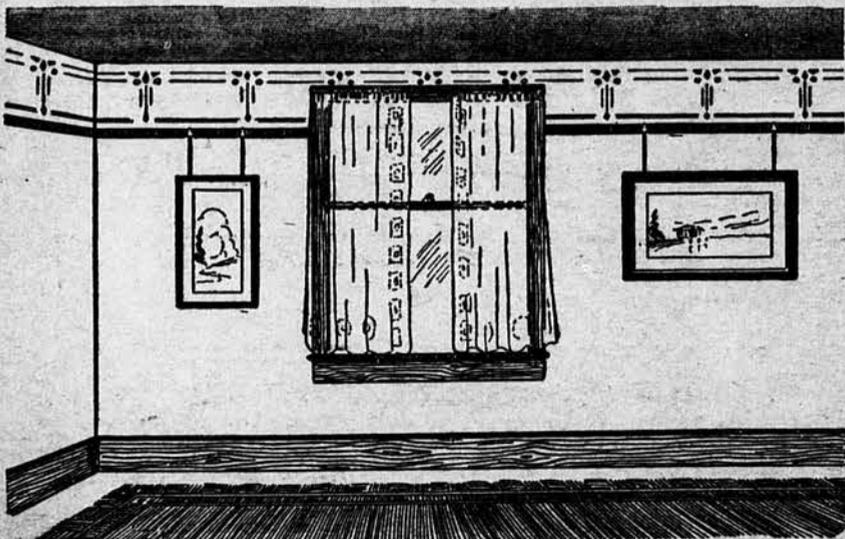
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Lorimer of the Northwest

(Continued from Page 22.)

man, but if we wait much longer we will lose the others," said Ormond, pointing to the distant figures struggling across the dazzling incline.

He moved a few steps, then there was a stumble and a sudden cry. I saw him for a moment slipping down the slanted surface of the rock, and when I reached the edge he hung apparently with one foot on a slippery stone, and his left hand clawing wildly at the snow, which yielded under it. I think his other fingers were in a crevice. The fall might not be dangerous in itself, but it seemed impossible that anybody launched upon that declivity could escape a glissade over the precipice. This struck me in an instant and, grasping a shrub which grew in a crevice, I held out my right hand toward him.

"Get hold, lift yourself with your foot, and I'll drag you up!" I said.

He made a desperate effort, for I could see the veins swell on his forehead, but it was the injured foot which had found hold, and when his chest was level with the edge, still clawing at the treacherous covering, he began to slip back again.

"Can't do it. Let go, before I pull you over too!" he gasped.

One reads that in cases of imminent peril men's memories have been quickened and past events rise up before them, but nothing of this kind happened to me, for as far as recollection serves I was conscious only that I could not recover my own balance now, and that there were great beads of sweat on the forehead of the man struggling for his life below who stared up with starting eyes, while my right arm seemed slowly being drawn out of its socket. So I fought for breath, and held on, while I fancy Ormond choked out again: "You fool, let go!" and then, with slow rending, the roots of the shrub gave way, and we plunged downward together.

Ormond was undermost, and he must have struck an uncovered rock heavily, for I heard a thudding shock, and the next moment, driving my heels into the snow, I swept down the incline at a speed which threatened to drive the little sense left in me completely away. Nevertheless, I noticed that Ormond rushed downward head foremost several yards away, and there was a loud crash when he charged through a juniper thicket, and then struck violently against a spruce, which brought him up almost on the verge of the gully. By good luck I slid into a clump of stout saplings, and presently rose to my knees, blinking about me in a dazed fashion. One thing, however, was evident—any rash move would launch me over the sheer fall. Ormond lay still against the slender trunk, and several minutes passed before he raised his head. There was a red stain on the snow beside him, and his voice was uneven.

"You are not a judicious man, Lorimer," he said. "I'm infinitely obliged to you, but no one would have blamed you for letting go."

"We'll let that pass," I answered shortly. "I'm glad I did not. We are in an awkward place, and the first thing is to decide how to get out of it."

There was a wry smile on Ormond's face when he spoke again: "It's certainly a perilous position, and a somewhat unusual one. You and I—of all men—to be hung here together on the brink of eternity. Still I, at least, am doubtful whether I'll ever get out again; there's something badly broken inside of me."

The hot blood surged to my forehead, for I understood what he meant, but that was a side issue, and, answering nothing, I scanned the slope for some way of ascent. There was none, and nothing without wings could have gained the valley. Ormond, too, realized this.

"All we can do, Lorimer," he said, "is to wait until our friends assist us. In the meantime you might fire your rifle to suggest that they hurry!"

He spoke very thickly. I scraped the snow from the slung weapon's muzzle, for this was sometimes burst a gun, and then a red flash answered the ringing report from the opposite slope, and presently a cry reached us from the foremost of the clambering figures. "Hold on! We're coming to get you out!" it said.

Now most luckily we had brought several stout hide ropes with us, which was a rather unusual procedure.

"Lie flat and wriggle!" called a man above. "Jam the steel into the hard cake beneath!" and with the cold sweat oozing from my hair I proceeded to obey him. How long I took to cover the distance we could not afterward agree, but once I lay prone for minutes together, with both arms buried in the treacherous snow, which was slipping under me, and the end of the lariat a foot or two away. Then with a snake-like wriggle I grasped it, and

there was a cry of relief from the watchers. I got a bight around Ormond's shoulders, and after some difficulty fastened it. One cannot use ordinary knots on hide. Ready hands gathered in the slack, and my rival was drawn up swiftly, while they guided him diagonally around instead of under the jutting shelf from which we had fallen.

Then the end came down again, and with it fast about my shoulders I went back for the rifle, after which they hauled me up, filling my neck and both sleeves with snow in the process. Though Harry laughed, his voice trembled, when, as I gained the platform, he exclaimed:

"Well done, partner! You fought gamely, and if you had eaten another bear we should never have landed you."

Harry, I think, had been at one time a trout fisher. Ormond, however, after making an effort to rise, lay limply in the snow.

"I'm very sorry to trouble you, but I can't get up," he said. "Something's gone wrong internally and my leg's broken. I'm much afraid you will have to carry me."

It was an arduous undertaking, and even before starting it was necessary to lash his limbs together with a rifle between them by way of splint. After this we spent two hours traversing the next mile or so, and my shoulders ached when with intense satisfaction we found firm earth beneath our feet once more. Ormond was distinctly heavy, and that region is sufficiently difficult to traverse even by a wholly unburdened man, while, hampered by his weight, the two days' march to the crossing might be lengthened indefinitely. Still, we could not leave him there, and, framing two spruce poles with branches between them into a litter, we struggled forward under our burden. We were five partly fed and worn-out men in all, and we carried the litter alternately by twos and fours, finding the task a trying one either way. Probably we could never have accomplished it except under pressure of necessity.

The bronze already had faded in the sufferer's face, his cheeks had fallen in, but though the jolting must have caused him severe pain at times he rarely complained. Instead, he would smile at us encouragingly, or make some pitiful attempt at a jest, and I think it was chiefly to please us that he choked down a few spoonfuls of the very untempting stew we forced on him. Once, too, when I tried to feed him his eyes twinkled, though his lips were blanched, as he said:

"We are playing out our parts in a most unconventional fashion. Ralph Lorimer, are you sure that it is not poison you are giving me?"

Perhaps he would have said more if I had followed his lead, but I did not do so, and these two veiled references were all that passed between us on the subject that most concerned us until almost the end. It was late one night, but there was a beaten trail beneath us and we knew we were running a race for Ormond's life, when at last a glimmer of light appeared among the trunks and the sound of hurrying water increased in volume. We quickened our dragging pace, and when Harry pounded violently on the door of a log building an old man with bent shoulders and long white hair stood before us.

"Ye'll come in, and very welcome," he said. "I heard ye coming down the trail. Four men with a load between them—where are the lave o' ye? The best that's in Hector's shanty is waiting ye."

There was an air of dignity about him which struck me, and I had heard prospectors and surveyors talk about mad Hector of the crossing. When we carried our burden in he knelt and laid back Ormond's under jacket of deerskin before he saw to the broken leg with a dexterity that evinced a knowledge of elementary surgery.

"Is this going to be the end of me?" asked Ormond languidly, and the old man, turning his head, glanced toward me in warning as he answered: "That's as the Lord wills. Yere friends will need to be careful. The leg's no set that ill, but I'm suspecting trouble inside o' ye. With good guidance ye should get over it. Lay him gently yonder while I slip on a better lashing."

He crammed the stove with fuel until the hot pipe trembled to the draught, and soon set a bounteous meal before us—fresh venison and smoked salmon with new bread and dried berries—while he also prepared a broth for Ormond, who drank a little greedily, and then lapsed into slumber. I was for pushing on after a brief rest, but Hector thought differently.

"Neither man nor horse has been drowned while I kept this crossing," he said, "and by the help o' Providence no man will! Can ye no hear the river

(Continued on Page 29.)



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I will send you 8 two year budded apple, pear or peach or 5 cherry trees, or 75 blackberry, raspberry or dewberry or 20 grape, gooseberry, currant or rhubarb, or 100 asparagus or 50 ever bearing or 200 spring bearing strawberry plants, or 100 cedar or other evergreens or 8 roses. Catalogue free.

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BIGGEST MONEY-MAKER KNOWN—INVESTIGATE The greatest forage plant that grows. Superior to all as a fertilizer. Equal to Alfalfa for hay. Exceeds for pasture. Builds up worn-out soil quickly and produces immense crops, worth from \$5 to \$15 per acre. Easy to get started, grows everywhere, on all kinds of soil. Don't delay writing for our Big 32-page free catalog and circular giving full particulars. We can save you money on best tested guaranteed seed. Sample Free. Write today. **A. A. BERRY SEED CO., Box 935 CLARINDA, IOWA**

A Seed Law For Kansas

Kansas has been the dumping ground for poor seeds. This is because most of the states have strict seed laws, which prevent the sale of inferior seeds. These are sold in Kansas and in a few of the other states which do not give farmers good protection in this respect. A bill to correct this abuse has been introduced in the house by J. M. Gilman of Leavenworth county. This bill says in part:

Section 1. No person, firm, or corporation shall sell, or offer or expose for sale or for distribution, any agricultural, grass or forage seeds, which contain any of the seeds of forbidden weeds under the conditions as defined in Section 2.

Section 2. For the purpose of this Act, the species of farm weeds which shall be included under the meaning of the term "forbidden weeds," shall be as follows: Johnson grass, Quack grass, bindweed, dodder, Sow thistle, in amounts greater than one seed of any of the above species of weeds, in 10,000 seeds of any lot of agricultural, grass or forage seeds sold, or offered or exposed for sale or for distribution.

Section 3. In all cases where the total of the noxious weeds as defined in Section 2, exceeds 2 per cent of the total weight of the agricultural seeds, no person, firm or corporation, shall sell, or offer or expose for sale or for distribution, any seeds of cereals, flax, grasses, clovers, forage plants, Red clover, alfalfa, meadow fescue, or bromegrass; unless every receptacle, package, sack or bag containing such seeds, has a label securely attached thereto, and marked in a plain and indelible manner.

a.—With the full name and principal address of the seller, and

b.—With the name of the kind or kinds of seed, and

c.—With the common name or names of those of the noxious weeds defined in Section 2 of this act which shall from time to time be designated by the Seed Commissioner, and the seeds of which are present in the seed sold, or offered or exposed for sale or distribution, and

d.—With the approximate percentage of each of such kinds of weed seeds present.

Provided, however, that after 12 months' notice given in advance, the Seed Commissioner shall have the authority to add the seeds of any additional noxious weed or weeds to the list as hereinafter specified in Section 4 of this act, and

Provided, further, that in the case of sale or of the offering or exposure for sale of mixed seeds sold as mixtures, the exterior of the package or container shall in all cases be plainly labeled with the current common names of the kinds or varieties of seeds comprised in the mixture.

Section 4. For the purpose of this act, the species of farm weeds which shall be included within the meaning of the term "noxious weeds," shall be as follows: Crabgrass, foxtail, dock, wild oats, wild buckwheat, cheat, smart weed, Russian thistle, French weed, Pepper-grass, Shepherd's purse, charlock, Black mustard, roquette, yellow trefoil, Bur clover, Wild carrot, buckhorn, Rugel's Plantain, and chicory.

Section 5. It shall be unlawful for any person, firm, or corporation, to sell, or to offer or expose for sale, or for distribution in Kansas, any seeds which are misbranded within the meaning of this act. Seed or seeds shall be deemed to be misbranded if the contents of any sack or lot of seeds, whether in package or in bulk containers, be not labeled in accordance with the requirements of Sections 3 and 4 of this act, or if the seeds be falsely labeled in any respect.

The bill provides for a penalty when the law is violated. It is to be enforced by a seed commissioner appointed by the Kansas Experiment station.

This is a law that affects all the farmers of the state. If you have had some experiences with poor seeds, or if you wish some protection along this line you ought to write to your representative or senator and tell him your ideas. Do you wish protection from adulterated seeds?

Policy is a mighty poor crutch.

Cucumber Diseases

There was an unusually large number of reports last year of losses to cucumber growers from blights of foliage or fruit, particularly where pickle growing is an important industry. These injuries have proved upon investigation to be due to one or another of several distinct troubles: Blighting of the foliage by downy mildew or anthracnose, diseases which have already proved controllable by spraying with Bordeaux mixture; and to the bacterial wilt, a disease the cause of which is known and for which a remedy is being sought.

Both downy mildew and anthracnose can be controlled by thorough spraying with Bordeaux mixture, made up of 3 pounds copper sulphate, 6 pounds stone lime, and 50 gallons of water. The copper sulphate should be dissolved in 25 gallons of water by suspending it near the surface of the liquid in a sack or other container. The stone lime should be slaked thoroughly and then diluted with the other 25 gallons of water. The two solutions should then be poured together into a third barrel and thoroughly stirred. It is essential, however, to begin early, before the disease makes its appearance, to spray thoroughly, so that the leaves of the plants will at all times be covered with a thin film of the Bordeaux, and to spray at close enough intervals so that the new growth will not be subject to fungus attack. When a cucumber or melon vine suddenly wilts throughout its length and dies without appreciable spotting of the leaves, the trouble usually is caused by a species of bacteria which enters and clogs the water-carrying vessels of the stem. This wilt disease is spread by leaf-eating insects and probably also by soil infection. Rotation of crops is advised for its control, together with the addition of a fungicide like Paris green to the Bordeaux mixture. The Bordeaux mixture acts as a repellent to the insects and helps to check the spread of wilt. There is experimental evidence to show the value of spraying for wilt, but it should not be expected that this disease will be as fully controlled in this way as the leaf blights. It is also important to pull and burn diseased vines as soon as they begin to wilt, in order to lessen the spread of the disease.

This Farm Is Valuable

John L. Hickey of Junction City recently purchased a 327-acre farm on the Smoky Hill river between Junction City and Chapman, from John Murphy for \$45,000. Hickey wrote out a check for the entire amount. The farm has more than doubled in value during the last six years. At that time Mrs. George Kiliam purchased it from John Voelpel for \$20,000 and later sold it to John Murphy at a good profit.

It's a sad sight seeing a "retired" farmer trying to kill time in town and afraid to say he's miserable, while some renter is enjoying life on his farm.

Money and Books For Letters

Do you know something about cows, silos, buttermaking, the care of cream, methods of feeding, or the care of calves? Do you test your cows? If so, what have you learned about them through these tests? Do you keep books, and what do they show? For the best letter on a dairy or silo subject, received in our office before March 6, we will give a prize of \$2.50. The letters that take second, third and fourth places will win book prizes. Clip this offer and send it to us with your letter, indicating your first, second and third choice of books.

This contest does not close until March 6, but it is well to get your letter to us as soon as possible because we have more time to give it careful consideration now than we will on closing day.

The following books are the ones from which premiums may be chosen:

- Making the Farm Pay, By C. C. Bowsfield.
- Meadows and Pastures, By Joseph E. Wing.
- Fancy Cheese In America, By Charles A. Publow.
- Letters of an Old Farmer to His Son, By William R. Lighton.
- The Folk of Furry Farm, By K. F. Purdon.
- The Natural History of the Farm, By James G. Needham.
- Breeding of Farm Animals, By Merritt W. Harper.
- A Laboratory Manual of Agriculture, By Call and Schafer.
- Lorimer of the Northwest, By Harold Bindloss.
- The Dark Flower, By John Galsworthy.
- The New Man, By Jane Stone.
- The Case of Jennie Brice, By Mary Roberts Rinehart.
- The Haunted Heart, By Agnes and Egerton Castle.
- The Fighting Blade, By Beulah Marie Dix.
- A Certain Rich Man, By William Allen White.

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Our methods have the endorsement of Mr. Victor L. Cory, Superintendent, Sub-Station No. 8, located in Lubbock County, who has written:

"As chairman of the inspection committee of the Lubbock Sudan Grass Seed Association, I can assure you that the work of the committee was carefully and satisfactorily done. The members of the Lubbock Sudan Grass Seed Association, through their own inspection committee, made intelligent effort to see that their instructions were rigidly carried out."

Buy your seed under the protection of the association's trade-mark seal and warranty, and you will get nothing but the pure and genuine. It's the only way to keep your fields clean of weeds, Johnson grass and other pests.

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Health Begins in the Mouth



Well Kept Teeth an Important Step Toward a Good Old Age

BY CHARLES H. LERRIGO, M. D.

tificial teeth fitted without any pain worthy of consideration.

"The consideration of pain in so important a matter is idle talk—childish in the extreme!" I spoke with so fierce an energy that Mary Ellen, who does not always take me seriously, was visibly impressed. "What matters pain in a question of life and death? Yes, I repeat it—life and death! It is time that people awoke to real issues in this matter. You connect with the care of your teeth certain trifling matters that are mere piffle compared with the vital considerations involved. Pain of tooth ache—you consider that. Offensive breath—you consider that. Preservation of personal appearance—you give that some consideration. But all these things are the merest trifling. The real issues are matters of life and death."

"Doctor, you exaggerate!" protested Mary Ellen.

"Matters of life and death!" I insisted. "We have learned some things lately. We have discovered that the poisonous germ that lingers around the decaying tooth may find its way to more vital structures. We find that it may originate serious and even fatal ailments. Such diseases as rheumatism, pleurisy, endocarditis, and other dangerous things have been traced to an origin in the pockets of pus which surround decaying teeth. So true has this been found that one of the doctor's first orders in serious chronic ailments is a general clearance of decaying teeth."

"But my teeth aren't in that shape, Doctor," protested Mary Ellen. "I'm sure there are no collections of pus in my mouth. I'm very particular with my tooth brush."

Granted. Yet even cases like Mary Ellen's are dangerous. Let us follow their course.

The first consideration is that a single decayed tooth impairs digestion by withdrawing not only its own service but that of several of its fellows. Notice the alignment of your teeth. They do not meet equally, upper tooth to lower tooth, but with one or two exceptions each tooth is opposed to two in the process of mastication. This is a beneficent arrangement, for the loss of a tooth does not render its mate of the opposing jaw entirely useless, since it still meets a portion of one other. But the rule is double-edged, for a sensitive tooth therefore destroys not only its own bite but that of two others above and quite often the tooth on either side of it, a total of five.

Mastication being thus handicapped, the digestion soon becomes seriously impaired; for certain of the processes of digestion of starchy foods, the major part of our dietary, can be performed only with perfect mastication.

Let us follow the fault to its conclusion. Indigestion brings pain and discomfort, but worse than that, it disturbs nutrition. Impoverished nutrition means lessened force for the daily work and lessened resistance against bacterial invasion. This may eventually mean a yielding to infectious disease, a poor fight because of poor resistance, and the final end. It is like the old song of the way the battle was lost, "all for the lack of a horseshoe nail."

No! Mary Ellen did not die. When I last saw her she was on her way to the dentist.

The colts from a grade sire are a very uncertain lot.

"I READ last night," said Mary Ellen Page, "that a young child should have 20 teeth and a normal adult 32. Is that correct?"

"Quite true," I admitted.

"Then I am abnormal!" she announced tragically. "Just for curiosity I looked in a hand mirror and counted my teeth, and count any way I can, I make only 30."

"Sit in this chair, Mary Ellen, and allow me to explore," I invited.

Mary Ellen pulled a little mirror from her bag, flicked a speck from one tooth with a clean handkerchief, and obeyed. I glanced over the enameled rows in quick appraisal. Sixteen teeth her lower jaw enclosed, but the upper held only 14. She was correct. She had but 30 teeth.

"Am I right, Doctor?" she cried, the moment I gave her liberty.

"I can't deny it. You lack two of your wisdom teeth."

"Perhaps that accounts for—oh, everything," she suggested.

"On the contrary it accounts for nothing. Wisdom teeth come when they get ready and so long as their absence causes no distress it is a matter of no account. My inspection showed me something else that spoke much louder of lack of wisdom."

"What was that?" she asked, coloring furiously, for it is one thing to invite comment on one's shortcomings and another to accept it.

"Several teeth have marks of decay. They are calling for the dentist and there is no wisdom in letting them wait."

"Oh, is that all?" she exclaimed, greatly relieved. "You don't understand, Doctor. It's a very hard thing for us women who live in the country to give all the time that a dentist wants. And I'm a frightful coward, too. I just hate the thought of it, and I'm putting it off as long as I can."

Exactly! I have heard the story many times. They hate the pain. They hate to spend the time. They hate to spend the money. Country folk are worse sinners than others because it really is much harder for them to keep appointments and so they feel a little more excuse. And their delay turns a piece of work that would be painless, inexpensive and quickly performed into one that is costly in pain, expense and time.

So far as the pain of dental operations is concerned it cannot yet be said with any degree of truth that it has been changed to positive pleasure. Yet there is great improvement over the work of 10 years ago. The painlessness of "painless extraction," which aforesaid was perceptible only to the dentist, he actually now shares with the patient—this also by virtue of the injection of a local anesthetic or the administration of nitrous oxide gas.

The argument that one may cling lovingly to a mouthful of old decayed stumps because he cannot stand the shock and pain of losing them is absolutely destroyed. Old stumps are easily extracted, as a general thing. Nature has been trying to slough them off for a long time and requires only a little assistance. Such a mouth may be entirely cleared and a useful set of ar-



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Always Sow the Oats Early

A Compact Seedbed Is Best, Which Can Be Obtained Either By Fall Plowing or Spring Disking

FARMERS usually give little attention to seedbed preparation for oats. When oats follows corn in the rotation, the corn stalks usually are disked over in the spring and the oats are sown broadcast or drilled. There are some farmers, however, who plow their land in the fall leaving it rough during the winter and thus putting it in better condition to absorb moisture during the winter and early spring. Others, not having time to plow in the fall, plow their ground in the spring before seeding.

Experiments carried on by the agronomy department of the Kansas State Agricultural college show that so far as yield is concerned, spring disking is practically as good as either spring or fall plowing. Plowing, however, has the advantage of turning under all stubble and trash. In the case of fall plowing moreover, the ground dries faster in the spring and seeding, therefore, may be done earlier. This is sometimes highly

appears to be from 2½ to 3½ bushels an acre. The higher rate has given the better yield the past two seasons, but the increase from seeding more than 2½ bushels has scarcely paid for the extra seed used.

Mulching of Rhubarb

The soil in which rhubarb is grown can scarcely be made too rich or contain too much organic matter. Professor L. M. Montgomery says that rhubarb will respond more to good treatment than almost any other crop. A part of such good treatment should consist in applying a large quantity of manure as a mulch to the crop during the winter. Manure thus applied not only adds a great deal of organic matter to the soil, but also adds large quantities of plant food, thus greatly increasing the fertility. Much benefit may be derived from the application of



The Best Yields of Oats Are Produced by Early Seeding, as This Will Allow the Crop to Ripen Before Hot Weather.

important, since a profitable yield of oats often depends on getting them sown so early as to make them mature in time to escape hot winds and dry weather. In some seasons, where the ground is not fall-plowed, it is necessary to plow or disk the ground in the spring when it is entirely too wet, which may injure it for several years. If, on the other hand, the plowing or disking is not done when the ground is too wet, it will be necessary to delay seeding until there is practically no chance of getting a good crop.

Distributes Labor.

Fall plowing also distributes the labor so that more time can be given in the spring to preparing ground for other crops. It also kills many insects, which would live through in unplowed ground and perhaps migrate into fields of corn nearby and cause enormous damage.

The best method of preparing ground for oats varies greatly with locality. In eastern Kansas, where the spring rainfall is usually heavy, it is much more important to plow in the fall in order that seeding may be done early, than is the case farther west where the ground usually dries as early in the spring as desired.

Disking in Spring.

It appears from results secured up to the present time that where plowing for any reason cannot be done in the fall, disking is practically as good and sometimes better than spring plowing. In western Kansas it seems even better in ordinary seasons than fall plowing. This probably is due to the fact that oats require a compact seedbed, and when ground is plowed in the spring, it does not have time to become thoroughly settled before the crop is sown. It would therefore seem desirable, when plowing in the spring for oats, either to plow rather shallow or else to disk the land thoroughly before seeding.

In the college experiments, oats were sown on three different dates each year, and at the rates of 2½, 3, 3½ and 4 bushels to the acre. For the two seasons in which the test has been conducted, the earlier dates, March 10 to 25 have given the best yields. This would be expected, since oats are especially adapted to cool, moist climates and anything that enables them to mature ahead of hot weather is usually an advantage. The best rate of seeding ap-

pearable quantities of manure to the rows of rhubarb at about the time growth starts. Such treatment insures a rapid growth of plants, protects the young, tender stalks against late frosts, and produces a longer straight growth of better color than would otherwise prevail.

To Remove a Wart

I have a mule which has a cancer or a wart on her withers. She is not quite 2 years old. The sore has been on her shoulder since last summer. Can you tell me how to cure it? W. S. C. Beaver County, Okla.

If the sore is in the nature of a wart; that is, if it projects above the surface it should be cut out completely by making an incision in the healthy, surrounding tissue. The wound should be treated with a 10 per cent solution of formaldehyde. This solution may be made by purchasing 1 ounce of formalin and adding 3 ounces of water to it. A hard scab will form over the wound in 24 hours. The medicine should not be used while the scab is firm and adheres to the wound. If all or any part of it becomes loose, treat it with the medicine. Dr. R. R. Dykstra, Kansas State Agricultural College.

Cow May Need Rest

What is the cause of a cow failing to give more than a quart of milk a day two weeks after freshening? She gave 6 gallons a day last year. She is 4 years old and is in good thrift and flesh. I am feeding her alfalfa, shorts, bran, and some cottonseed meal. Reno County, Kansas. T. T. Mc.

You do not state whether this cow had a rest before she freshened. If she had no rest for a month or six weeks this may be the cause of her failing to produce a larger quantity of milk this year. I see no other reason why she should not give a fair amount of milk on the feed she is receiving. Cows have poor years sometimes, which we cannot account for, but as a rule a cow will produce about the same amount of milk every year if proper feed is given her and she is allowed to have a rest between milking periods. O. E. Reed, Kansas State Agricultural College.

Jay Lawrence, a Coshocton county, Ohio, boy won a 25-acre farm in Arkansas as a prize for the finest ear of corn shown in a national contest conducted by an Illinois farm journal.

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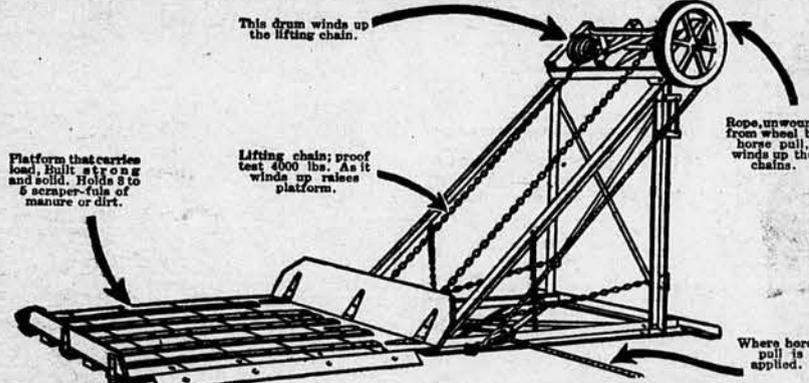
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Wheat Fields Look Better

Favorable Reports From Growers In All Parts of State

BY OUR COUNTY CORRESPONDENTS

THE wheat growers of Kansas do not seem to have any hard luck stories to tell about the prospect for a wheat crop. Of course it is a long time until harvest, but—"Soil has been thoroughly soaked the last week, and wheat is looking fine," is a cheerful note from E. L. Stocking, Sumner county. "Plenty of moisture and the wheat is better."—Adolph Anderson, Wilson county. "Wheat has started since the frost is out of the ground."—W. F. Arnold, Osborne county. "Wheat prospects are improving."—C. E. Chesterman, Pawnee county. "Ground is in fine condition for wheat."—S. C. Depoy, Mitchell county. "Wheat is looking well."—G. F. Espenlaub, Wyandotte county. "Plenty of moisture for the wheat the last 30 days."—A. J. Hammond, Smith county. "Wheat is doing fine."—H. E. Henderson, Harper county. "Early wheat in good condition."—J. A. Johnson, Barton county. "Wheat looking fine."—Z. G. Jones, Jefferson county. "Wheat is greening up and is in good condition, but the acreage is small."—G. W. Kiblinger, Anderson county.

KANSAS.

Wyandotte County—Frost is all out of the ground and it is full of moisture. Wheat is looking good. Prospects for all kinds of fruit are very good. Feed is high.—G. F. Espenlaub, Feb. 18.

Phillips County—Some winter weather. One-half inch of rain February 20. Wheat looks good and the fall planting is up. Wheat \$1.40; eggs 19c; corn 70c; hogs \$6.15.—Roy Stanley, Feb. 22.

Linn County—Spring weather. Plenty of moisture in the ground. Some farmers plowing. Two to three sales a week with fair prices for stock. Wheat looks good.—A. M. Markley, Feb. 20.

Cowley County—One of the best rains of the year has just ceased. Farmers busy plowing for oats and corn. Wheat improving. Plenty of roughness. Stock doing well. Eggs 20c; butterfat 26c.—L. Thurber, Feb. 20.

few horses sold. Very few farms for rent. Maize, kafir and cane \$1.15.—Monroe Traver, Feb. 20.

Morris County—Bad roads and excessive moisture the last 6 weeks. No threshing has been done for over two months on account of bad weather. Considerable cane and kafir to thresh yet. Feed plentiful and all stock doing well. Light hogs 6c; corn and kafir 75c; cane 62 1/2c.—J. R. Henry, Feb. 19.

Osborne County—A great many public sales and everything brings good prices. Wheat has started since the frost is out of the ground. Ground is moist on top, but it needs a good soaking. More oats will be sown than usual as corn is going to be high. Hens are laying well.—W. F. Arnold, Feb. 19.

Smith County—Plenty of moisture for the wheat the last 30 days and it is all right yet. Plenty of feed and stock generally in good condition. Wheat \$1.45; corn 75c to 80c; hogs \$6; alfalfa hay \$6 to \$8 ton; eggs 17c; alfalfa seed \$7 to \$8 bushel; good farm mares \$375 to \$450 a span.—A. J. Hammond, Feb. 20.

Bourbon County—Spring-like weather. Oat sowing will begin in a few days if the nice weather continues. Stock doing well. There will be no feed shortage here this spring. Considerable grain being marketed. Quite a number of public sales being held with good prices. Corn 67c; kafir \$1.20 cwt.; oats 48c.—Jay Judah, Feb. 20.

Anderson County—Weather warm and damp. Ground well soaked. Farmers waiting for ground to dry so they can plow. Wheat is greening up and is in good condition but the acreage is small. Less moving this spring than usual. Not much stock going to market because of the slump in the market.—G. W. Kiblinger, Feb. 15.

Woodson County—Much rainy weather and the roads are very muddy. Wheat is green and the stand is good. Some farmers thinking of putting in oats but if the ground doesn't dry soon it will be too late to plant them. Numerous sales and the prices are good. Horses higher but hogs lower than they were.—E. F. Opperman, Feb. 19.

Mitchell County—Weather rainy and foggy for several days. Ground is in fine condition for wheat. Farmers getting oats ground ready. Plenty of feed and stock doing fine. Not many public sales but everything sells well. There is quite a raise in the horse market. Wheat \$1.48; corn 82c; oats 60c; hogs \$6; eggs 19c.—S. C. Depoy, Feb. 20.

Harper County—Wheat is doing fine and has gone through the winter in good condition. A few oats will be sown this spring. Not much land for corn. A good many sales and prices are high. No disease in cattle. Some building being done. Not many hogs in this county. Wheat \$1.40; oats 60c; corn 83c.—H. E. Henderson, Feb. 25.

Wilson County—Fine spring weather. Farmers beginning to plow. Several sales and horses and cattle bring good prices. Plenty of moisture and the wheat looks better. Some oats will be sown this month if the present weather continues. Plenty of rough feed and hay on hand. Rent farms scarce and rent is higher.—Adolph Anderson, Feb. 17.

Allen County—Fine month for stock. Some farmers have started spring work. Not many sales. Some building being done. A good many horses going to market. A good many hogs dying and it looks as if the spring crop of pigs would be light. Not many young cattle. A large amount of flax and oats will be sown and some sweet clover and alfalfa.—George O. Johnson, Feb. 18.

Jefferson County—Excellent weather the last week or two. Frost is leaving the ground and some farmers have begun plowing. The corn fields are too wet to work and it is raining hard today again. Feed plentiful but selling at a good price. Not so many sales as usual. Wheat looking fine. Corn 80c; oats 50c; butterfat 28c; hay \$8 to \$10; potatoes \$1.20; eggs 19c.—Z. G. Jones, Feb. 19.

Gray County—Spring work is beginning in earnest. Plowing and disking for oats and barley is the order of the day. The soil is in fine condition for work. Wheat is showing up well and the prospects are good. There are many inquiries for land for spring crops and many persons cannot get land or houses. Several persons will build in this locality. Corn 75c; barley 60c; wheat \$1.50; eggs 20c.—A. E. Alexander, Feb. 20.

Barton County—Fine weather. Considerable moisture in the ground. Early wheat in good condition but late sown wheat does not show up yet. Some plowing for oats has been done but not a very large acreage will be sown. No wheat pasture to speak of but plenty of dry feed. Livestock doing well. Roads in good condition the last week and much wheat has been marketed the last few days. Corn 85c; wheat \$1.49.—J. A. Johnson, Feb. 20.

Norton County—Condition of ground good for wheat but there is a prospect of many fields having a poor stand. Farmers still selling fat cattle and hogs at an actual loss. Farmers are in good condition to farm this spring. There is plenty of feed and every acre will be put in to the best advantage. Acreage of oats will be heavier than last year. Farmers are buying better breeding stock. Wheat \$1.45; corn 70c.—Sam Teaford, Feb. 20.

OKLAHOMA.

Cotton County—Oats seeding nearly done. First sowed oats are ready to come through the ground. Wheat is growing nicely. All farm work is well advanced. Stock looks good. Wheat \$1.47; corn 90c; oats 60c; eggs 16c.—Lake Rainbow, Feb. 18.

Alfalfa County—The rain on February 12 has put the wheat in good condition. Plenty of pasture. A number of public sales. Horse buyers are buying all the horses. Oats sowing will begin next week if the weather stays fair.—J. W. Lyon, Feb. 18.

Caddo County—Spring weather with frequent showers. Wheat is beginning to grow now. No bad roads here except in dry weather when they get too sandy. Big demand for army horses. Great many public sales. Horses \$100 to \$140; milk cows \$50 to \$75.—H. Reddington, Feb. 18.

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Farmers Mail and Breeze
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Lorimer of the Northwest

(Continued from Page 24.)

roaring to the boulders, and would ye have her wash ye out mangled out o' human image into the bottomless pool? Maybe ye'll no like the passage in the light o' dawn, but ye cannot cross till then."

He spoke with a tone of certainty, and knowing that only those who live by them can predict the eccentric rise and fall of these torrents I was glad to defer to his judgment. It was only for Ormond's sake that we desired to press on at all, and Harry observed truthfully, "It wouldn't do the poor fellow any good to drown him."

It was late, but we still loitered about the stove, and when once the old man stood in the open doorway glancing toward the foaming rush of the river that I could see beyond him, as though to gauge its force by the roar which now filled the room, one of the party remarked: "Old Hector's a curious critter, with a kink inside his brain, but there's many a free miner owes a big debt to him. He knows each trick of the river; the Siwash say 't talks to him, and when he says clear passage I guess you can cross. I've heard that the Roads and Trails Authorities allow him a few dollars subsidy, but he doesn't stay here for that. He was mixed up in some ugly doings in the gold days, and reckons he's squaring it by keeping the crossing. And I guess he comes pretty near doing it, too, for there's a good many lives to his credit, if that counts for anything, and I'm figuring it does."

He ceased as our host returned and said, "She's falling half-a-foot an hour, an' for the sake of the sick man I'll see ye over with the break of dawn. Got hurt on the gold trail—ye need not tell me. There's no sand bar or gully from Fraser till Oominica Hector did not travel thirty years ago. They came up in their thousands then, an' only the wolf an' eagle ken where the maist o' them lie."

"That's true," said the grizzled prospector. "I was in the last of it when Caribou was played out and we struck for the Peace country and Cassiar," and Hector stared past him through the smoke wreaths with vacant eyes that seemed to look far back into by-gone years.

"There was red gold to be had for the seeking then," he said. "We won it lightly, an' spent it ill. Ay wine an' cards, an' riot' when they brought the painted women in, until the innocent blood was split, and Hector came down from Quesnelle with the widow's black curse upon him—but it was his partner shot Cassell in the back. The widow's curse; and that's maybe why Mary Macdonal' lies long years her lone among the hills o' Argyle."

"Tell us how you cleaned out the Hydraulic Company, Hector," said the prospector, and added aside to me, "I'm switching him off onto another track. He's not cheerful on this one, and it's hardly fair play to listen while he gives himself away."

Then we heard true stories of the old mad days, tales of grim burlesque and sordid tragedy, which have never been written, and would not be credited if they were, though their faint echoes may still be heard between the Willow River and Ashcroft on the Thompson. Long afterward when Harry and I discussed that experience he said, "Say little about Hector; one must know these mountains well to understand him. I never saw any one quite like him. He spoke like a Hebrew prophet, and we obeyed him as though he were an emperor."

I slept in a splendid dry blanket under a bearskin which Hector spread over me, and a dim light was in the eastern sky when the old man roused me, saying, "If ye are stout at the paddle we'll try the river noo."

The others were growling drowsily as they rose to their feet, and I saw that Ormond's gaze was fixed on me meaningly.

"You'll take me over now won't you, Lorimer?" he said as I bent over him. "I feel that each hour is precious, and I'm longing above all things to see Miss Carrington before I go. It is for her own sake partly."

I had forgotten our rivalry, and my voice was thick as I promised, while Ormond sighed before he answered faintly:

"It might have been different, Lorimer. It's a pity we didn't know each other better three years ago."

TO BE CONTINUED.

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100.2 bus.

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Harold Doster, Mayfield, Ohio Champion Cuyahoga Co.

Ray Friedersdorf, Elizabethtown, Ind.

Sherman Magaw, Edinburg, Ind.

Gordon Reap, Elizabethtown, Ind.

Yield per Acre Shelled Corn

153.90 bus.

92.6 bus.

128.8 bus. Highest in State

103.45 bus.

97.45 bus.

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"FETERITA"

50 to 80 BUSHELS PER ACRE!

The newest discovery in the way of a feeding crop is "Feterita" which last year—its first real test year—produced an average yield of 24 1/2 bushels per acre. It is claimed to be the one most successful drouth-resisting crop ever discovered, and properly planted and with very little rain, should yield from 50 to 80 bushels per acre—some yields last year were said to reach 100 bushels with only two rains.

Here is an Opportunity to Experiment With It on Your Own Farm

This is a new crop. The editors of Farmers Mail and Breeze, as our readers know, are not claiming everything for it. It has not yet been sufficiently tested as to its feeding value, nor as to its adaptability to our territory. It is certain that it has great drouth-resisting qualities. It is worth experimenting with. Thousands of farmers in Kansas and the Central West are going to try it out this year on a small scale. Some farmers are very enthusiastic over it.

Here is what one successful planter writes about "Feterita." "I raised a crop of Feterita and am well pleased with the results. The grain is larger than Milo, fully as soft, and much whiter than Kafir. Its feeding value is equal to either Kafir or Milo and does not contain the dust that accompanies both Kafir and Milo. The head is erect on the stalk. It branches out from the roots, is a good drouth resister, and matures 25 days earlier than Kafir. Two crops have been raised this year on the same ground. The second crop was planted from the ripe seed of the first." Another farmer says: "We were more than delighted with the fact that the chinch bugs did not bother us. We had Milo maize planted in the same field with it and the chinch bugs took it completely, working right up to the Feterita but stopped there."

One Pound FREE! The supply of this seed is limited, but we secured a sufficient quantity to enable us to offer one pound free to every one who sends \$1.00 to pay for a new, renewal, or extension subscription to the Farmers Mail and Breeze. One pound should plant about half an acre and raise a crop of seed for a second planting. Send us your subscription at once and get one pound free and postpaid before the offer is withdrawn.

Farmers Mail and Breeze, Dpt. FS-10, Topeka, Ks.

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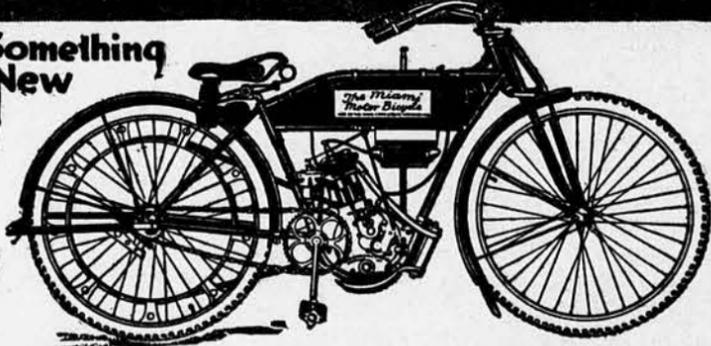
I enclose \$1.00 to pay for a new, renewal, or extension subscription for one year to the Farmers Mail and Breeze. You are to send me free and postpaid one pound of "Feterita" seed as per your advertised offer.

My Name

Address

“100 MILES for 10 cents”

Something New



It's not a Motorcycle

as motorcycles are known today. Its light weight, low cost and ease of handling mark the difference between it and the present day motorcycle. Neither is it a bicycle with a motor attachment—

It is a Real Motor Bicycle,

carefully and completely designed as such, with all the skill and experience of twenty-one years in the manufacture of high-grade bicycles and motorcycles built into it.



It's as simple and clean to run as a bicycle, and as quiet as a sewing machine. It appeals to all classes—professional and business men, clerks, mechanics, salesmen, farmers, students, boys and girls—to anybody who desires economical travel without exertion—exhilarating recreation without fatigue—healthful exercise without effort—and a practical conveyance without inconvenience.

You can use it for a quick run to town and back for repairs for the farm machinery—a trip over into the next county on your holidays—in a hundred ways that will bring your neighbors and the town closer to you, with the least trouble and effort.

For those who object to the expense, speed and heavy weight of the present day motorcycle, the MIAMI MOTOR BICYCLE is the ideal mount.

Write At Once For Free Booklet

telling all about the MIAMI MOTOR BICYCLE and its many uses. You can purchase one from your dealer or direct from our factory.

THE MIAMI CYCLE & MFG. CO.,

"America's Greatest Cycle Makers"

335 Mobile Ave.

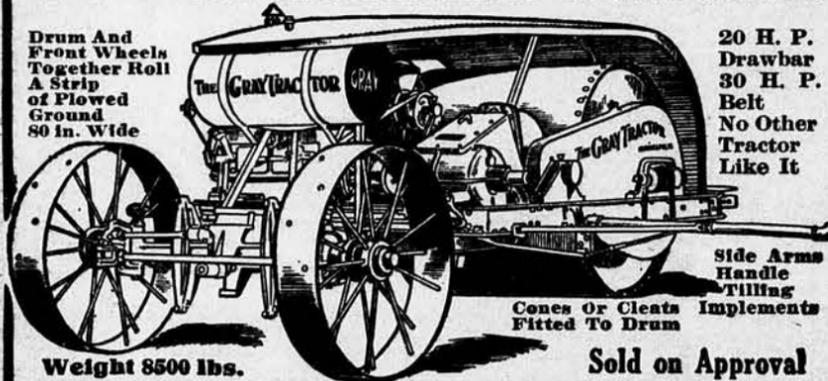
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With The Wide Drive Drum

THE Wide Drive Drum enables it to travel over soft plowed ground without packing the soil. It also crushes all corn stalks, weeds, stubble, etc., in front of the plows so the furrows cover this vegetation. 6 plows. Four cylinder, vertical, water cooled motor. Hyatt Roller Bearings throughout. These are self lubricating and non adjustable. All moving parts tightly housed and run in bath of oil. Structural steel frame. Perfect 3-point suspension. Does more lines of farm work than any other 6-plow tractor. Write for book. Learn about our service.

GRAY TRACTOR MANUFACTURING CO. 1619 Central Ave. Minneapolis, Minn.

Drum And Front Wheels Together Roll A Strip of Plowed Ground 80 in. Wide



20 H. P. Drawbar 30 H. P. Belt No Other Tractor Like It

Side Arms Handle Tilling Cones Or Cleats Fitted To Drum

Weight 8500 lbs.

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Careful of Spring Lambs

Every Ewe Must Have Proper Feeding

BY TURNER WRIGHT
Livestock Editor

MUCH of the profit derived from spring lambs will depend on the care given the flock during the next four or five months. Most of the trouble in the spring months in my experience had its origin in the way the flock was fed. Every ewe that is to bring a lamb into the world will need good, nutritious feed if the best results are to be obtained. She is doing double duty in developing a lamb and at the same time growing a fleece which will pay for most of her winter keep.

The aim in feeding the ewes should be to have them in good condition at lambing time.

They ought to be in medium flesh, neither too fat nor too thin. They need a ration which will produce growth and milk. Kafir stover or corn stover, prairie or timothy hay, and wheat straw are not good feeds when fed alone. If other feeds are not provided many of the ewes will be thin in flesh and lack vitality. Some of them will not produce enough milk to nourish their offspring.

The best results will be obtained if some leguminous hay such as alfalfa or clover forms part of the roughage.

Kafir stover or corn stover can be used with this with good results. A little silage also will prove beneficial. The feeder, however, ought not to use more than 2 pounds of silage to every pound of hay. Spoiled, moldy, or frozen silage should not be fed. The same rule applies to moldy feed of any kind. We have had several accounts of flock troubles this winter which seemed to be due entirely to indigestion caused by feeding moldy hay or stover. The sheep is a gleaner, not a scavenger. It needs good clean feed the same as other stock.

Here's a Ration.

A mixture of corn, wheat bran, and linseed meal will make a good grain ration to use this year. The linseed meal should be of good quality and it should not be fed in too liberal amounts. A ration consisting of 60 per cent corn, 30 per cent wheat bran, and 10 per cent linseed meal has proved satisfactory at the Missouri Experiment station. If oats are not too expensive, a mixture of oats, corn, and wheat bran, equal parts by weight, will give good results. Cottonseed meal or cake also can be used if fed in limited amounts.

The amount of grain to feed will depend on the condition of the ewes. There can be no set rule. If the ewes have had good pasture and good roughage during the winter they will need little or no grain until a month before lambing. It has been learned that, generally, about 1/2 pound of a good grain mixture a day is needed for every ewe, to insure a good milk flow. If the ewes are not accustomed to grain 1/3 of a pound a head a day will be enough to feed at first. This can be increased gradually.

Many lambs are lost every spring from abortions caused by ewes crowding through narrow doorways and at the feed troughs. Most of this loss can be avoided by yarding ewes which will lamb about the same time together. The doors in the shed or barn should be wide enough for the ewes to pass in or out without crowding. They ought never to be hurried when going in or out. Sheep need a little salt and plenty of pure clean water always.

The most critical time for the shepherd is during the lambing season. The flock should be watched night and day. The careful shepherd will visit the flock about midnight and again as early as possible in the morning. This will give him an opportunity to help any new arrivals needing assistance. If the lambs are born in cold weather a good, warm lambing pen will keep many of them from being frozen or chilled. If a lamb should chill it can be revived by giving



Two Little Lambs.

it a bath in a pail or tub of hot water. It should be wiped dry with a woolen cloth, wrapped in a dry cloth, and placed near a warm stove for awhile. The lamb should have a little warm milk from its mother to give it strength as soon as it has revived enough to swallow. It may be put with its mother as soon as it is strong enough to walk. If it becomes constipated later give it 1/2 to 1 teaspoon of castor oil.

Every ewe ought to be put by herself at lambing time. Convenient pens can be made by placing hinged hurdles against the wall.

The panels of the hurdles should be 5 feet

long. The hurdle will prevent the young lamb from starving away from its mother and getting lost. Many ewes refuse to own their lambs because they forget the smell of them when they are separated. Lack of milk is another cause of ewes refusing to own their lambs. One of the best methods of making a ewe own her lamb if she should refuse to do so at first, is to put both ewe and lamb in a pen away from the other sheep. Tie the ewe with a halter so she cannot strike the lamb. Give her feed and water but keep her tied. Hold the ewe while the lamb sucks for a few times and after that the lamb will take care of itself. The ewe usually will be willing to claim her lamb after four or five days of this treatment.

It often happens that a ewe has so much wool on her udder the lamb cannot get hold of a teat. It will suck a lock of wool instead, and die of starvation before the owner discovers what the trouble is. The remedy is to clip all the wool from the udder of every ewe either a few weeks before she lambs or as soon as she lambs. This precaution will save many lambs, and much worry and trouble.

Give Them Clean Beds.

The ewe and her lamb may be turned out with the others when the lamb is three or four days old. Ewes which have lambs should be yarded separate from those which do not have lambs. They need more grain in order to produce milk. The ewes and lambs should be housed at night during cold weather and given access to a dry shed as the weather grows warmer. Damp or foul bedding should be avoided. It is better to supply a small amount of clean bedding every day than a larger amount at longer intervals. The lambs also should be protected from the cold rains in early spring. All the lambs should be docked and the ram lambs should be castrated when they are about 10 days or two weeks old. If the docking pincers are used there will be little loss from bleeding.

The lambs will begin to nibble a little grain when they are two or three weeks old. A creep should be provided then so the lambs can get their grain at will. A creep is a small pen made of panels with upright slats. The grain is fed in troughs inside this pen. The slats are spaced so the lambs can slip through to the feed while their mothers are kept on the outside. The ration for the lambs should consist of feeds which produce growth. Lambs started in this way will grow rapidly and be ready for market before the hot, dry weather of summer comes.

An Offset Affair

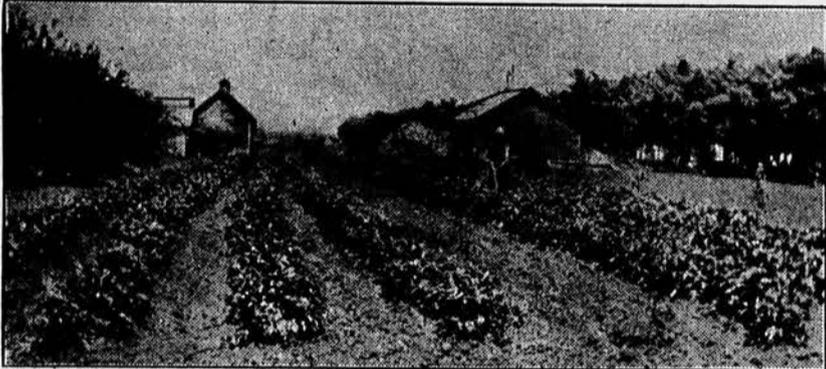
The stone mason was on the witness stand describing the way in which he had been assaulted by the defendant. "He walked right into my yard," the witness said, "and slammed me up against one of my own tombstones." "Did he hurt you?" inquired the court. "Hurt me! Why, I've got 'Sacred to the memory of' stamped all down my back."

Crops For Young Orchards

The growing of some annual crop between the trees during the first two or three seasons following the planting of an orchard, as an aid in meeting the cost of maintenance during the unproductive age of the trees, is frequently an economic expediency. This practice is seldom, if ever, any advantage to the trees in comparison with thorough tillage by itself, but if interplanted crops are wisely selected and properly managed with respect to their relation to the trees, they are not likely to result in any serious harm.

The interplanted crop ought to be one which needs essentially the same tillage that the trees should have. Where this

quired in the proper development of the trees, a considerable range of choice may be exercised by the grower as to what he shall use. The selection may be governed to some extent by the relative market value of different crops that can be grown in different regions. Musk-melons, beans, peas, cabbage, tomatoes, and other truck crops are extensively grown in this way. Potatoes are sometimes used, but they are suitable only when the crop can be managed so the digging of the potatoes will not amount to a late cultivation, which may be attended with undesirable results. Corn, also, is frequently used, but as very often managed it is objectionable, because it shades trees excessively. Whenever corn is interplanted, an open strip



J. A. Voth, of Kremlin, Okla., Grows Potatoes and Field Crops Between the Tree Rows in His Orchard and Finds That It Pays Well.

is the case, the secondary crop does not seriously interfere with that operation. But the grower should realize that he is, in effect, following a system of double cropping and that because of the interplanted crop he may need to give more attention to the maintenance of the fertility of the soil than he would for the peaches alone.

After the trees reach bearing age, they should not be made to compete with another crop. Even if there is sufficient plant food in the soil to produce successfully two crops at the same time, the peach trees usually will need all of the available soil moisture, except, of course, in sections where irrigation is practiced and there is an adequate supply of water for all purposes. Besides, an interplanted crop would be likely to interfere with the spraying of the trees, if that operation should be necessary, with the harvesting of the fruit, and in other ways.

Provided interplanted crops do not interfere with any of the operations re-

of considerable width should be left along the rows, so that the trees will be fully exposed to the sunlight throughout the season. If a very tall, long-growing variety of corn is used, a wider strip should be left unplanted than where a dwarf variety is selected.

Peach trees are sometimes used as an interplanted crop, especially where apples comprise the permanent crop. This practice is both highly recommended and emphatically condemned by fruit growers of wide experience. It is probably objectionable in that for a period of years both bearing and nonbearing trees occupy the same area, and it is sometimes desirable to treat a fruiting tree very differently from one that is not fruiting, for the best results with each. On the other hand, where a site is particularly favorable for both fruits, a compromise treatment can often be effected, which yields fairly satisfactory results with both kinds of trees.

The seed is at least one-third the crop.

The Capper Contests

(Continued from Page 7.)

All weeds were cut with a hoe, June 18, and it was cultivated for the last time June 19.

"This completed the work on my corn, with the exception of husking, because we had several wind storms that blew the corn down very badly, and made it impossible to get into the field with a plow. I husked my acre of corn November 25."

A patch of clover sod grew the ear of corn which distanced all competitors at the Capper Boys' Corn Show last year and won the championship cup. And it was the first year in practical corn growing for the boy who raised the ear. That is something of a record, for a number of prize-winning corn growers were among the boys entered. Cecil tells in this letter how he came to enter the contest:

I am 15 years old and I decided to join the Corn club last spring and see what I could do. I plowed up a patch of clover sod the first of May and disked and harrowed it

thoroughly. May 13 it was planted. When the corn was matured it was husked and the prize ear selected from a large standing stalk. The corn is Reid's Yghow Dent. This is my first year in practical corn growing. I appreciate Mr. Capper's effort to interest the boys in corn growing.

CECIL M. GLICK.

Here are the Capper boys' and girls' contests for 1915:

- BEST ACRE YIELD OF CORN.**
 1. Silver trophy cup.
 2. Bronze medal.
 3. Bronze medal.
 - Honor diplomas for the next 10.
 - BEST ACRE YIELD OF KAFIR.**
 1. Silver trophy cup.
 2. Bronze medal.
 3. Bronze medal.
 - Honor diplomas for the next ten.
 - BEST EXHIBIT OF 10 EARS OF CORN.**
 1. Cash prize \$25.
 2. Bronze medal.
 3. Bronze medal.
 - Honor diplomas for the next ten.
 - CAPPER GIRLS' TOMATO CONTEST.**
 1. Cash prize \$25.
 2. Bronze medal.
 3. Bronze medal.
 - Honor diplomas for the next 10.
- Fill out and send the following blank to Secretary, Capper Boys' and Girls' Clubs, Farmers Mail and Breeze, Topeka, Kan. Be sure to check the contest or contests that you wish to enter.

ENTRANCE BLANK

ARTHUR CAPPER, 800 JACKSON STREET, TOPEKA, KAN.

Please enter me in the
 Best Acre Yield of Corn contest.
 Best Acre Yield of Kafir contest.
 Capper Girls' Tomato contest.

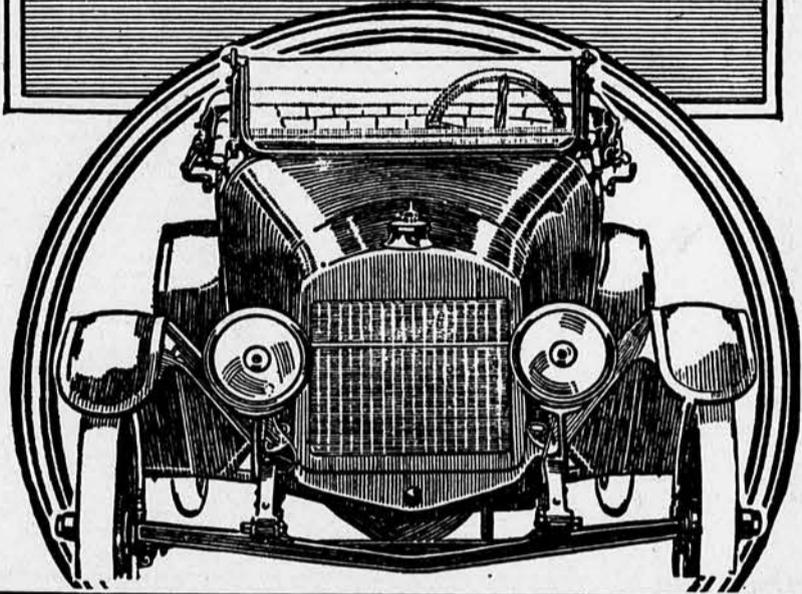
My name is.....

P. O. or R. F. D.

My age is.....

Properly filled and mailed as directed, this blank entitles the signer to the full benefits of the club and contest, without further notice or formality.

Yes! It's Free



This \$850 Overland Will Be Given Away!

Yes! We are going to give away this fine 1915 model Overland Touring car free of cost. It is fully equipped with top, electric self starter and lights, speedometer, horn, etc., and will be sent to some industrious person free, freight charges prepaid. All that is necessary to earn this fine automobile is to take subscriptions to our popular weekly newspaper, Capper's Weekly. Each subscription will count so many points and if you have the most points on May 1st the automobile is yours free of cost.

The regular scale of points allowed on subscriptions is as follows: A one-year subscription, 25c, 500 points, a three-year subscription, 50c, 2,000 points, and a six-year subscription, \$1.00, 4,000 points. As a special inducement for you to get an early start in this contest we will allow you double the points mentioned in the above scale on all subscriptions mailed up to and including April 3rd. This will give you a good start toward winning the valuable Overland. In case of a tie, a prize exactly like the one in question will be awarded to each of the tying contestants.

We Have Given Away Over Thirty Automobiles

In addition to the Overland automobile offered as first prize there are 29 other prizes which will be awarded. The second grand prize is a fully equipped \$490 Ford Touring car; the third prize a \$250 Indian Motorcycle and the remaining prizes include a diamond ring, gramophones, gold watches, cameras, dinner sets, etc. A complete list of these prizes will be sent to each person entering the contest and all of them will be awarded free of cost, all transportation charges prepaid.

During the past few years we have given away over 30 automobiles to our readers. None of these readers were any more capable than yourself. We will furnish you with their names and address so that you can write them about their experiences in our past contests. They will gladly tell you about the easy way in which they won an automobile. It does not cost you one cent to find out about this great contest, nor does it obligate you in any way. Send in the coupon below with your correct name and address and we will forward to you by return mail our booklet entitled "Auto Dreams," full information about our contest, and our little surprise package. Remember it does not cost you one cent or obligate you in any way. Mail coupon today.

CAPPER'S WEEKLY

510 Capper Bldg.

Topeka, Kansas



\$850 OVERLAND

CAPPER'S WEEKLY, 510 Capper Bldg., Topeka, Kan.

Gentlemen: Please send me full information about your contest, your booklet entitled "Auto Dreams," and the free surprise package. This does not obligate me in any way.

Name

Town

State R. F. D. Box

FARMERS CLASSIFIED PAGE

Advertisements will be inserted in this department for 5 cents a word each insertion for one, two or three insertions. Four or more insertions 4 1/2 cents a word each insertion. Remittances should preferably be by postoffice money order. All advertisements are set in uniform style. No display type or illustrations admitted unless offered. Farmers Mail and Breeze is the greatest classified advertising medium in the farm paper field. It carries the most classified advertising because it gives the best results. Here is a splendid opportunity for selling poultry, livestock, land, seeds and nursery goods, for renting a farm, or securing help or a situation, etc., etc. Write for proof that it pays. Everybody reads these little ads. Try a classified for results.

POULTRY

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BUFF ROCKS—WILLIAM A. HESS, HUMBOLDT, KANSAS.

WHITE ROCK COCKERELS—MRS. J. W. HOORNBECK, WINFIELD, KAN.

NICELY BARRED COCKERELS, \$1.00. J. HAMERL, OAK HILL, KANSAS.

GOOD B. ROCK COCKERELS \$1.50 EACH. Edith Wright, R. 3, St. John, Kan.

PURE WHITE, FARM RANGE, EGGS, \$4 100. W. D. Pendleton, Lake, Kan.

GOLDEN BUFF ROCK COCKERELS. EGGS for sale. R. D. Lake, Burden, Kan.

PURE ROSE COMB BARRED ROCK COCKERELS. Write Jos. Helget, Ellis, Kan.

WHITE ROCK COCKERELS \$2 AND UP. Mrs. E. V. Cordonnier, Wathena, Kan.

PURE WHITE ROCKS. EGGS \$2.50 HUNDRED. Mrs. R. Challans, Newton, Kan.

WHITE WYANDOTTE COCKERELS \$2.00 to \$5.00. Mrs. Geo. Downie, Lyndon, Kan.

BUFF ROCK COCKERELS. EGGS \$1.50, \$2.00 15. E. L. Stephens, Garden City, Kan.

BIG TYPE BARRED ROCK EGGS. HALF price this season. A. H. Duff, Larned, Kan.

OKLAHOMA BARRED ROCK FARM. MULLHALL, Oklahoma. Special. Eggs \$1.00 per setting.

CHOICE, PURE WHITE ROCK COCKERELS and pullets. S. E. Stever, Effingham, Kansas.

WHITE ROCK EGGS, \$1.00 15; \$4.00 100. Chicks 8 cents. Mrs. Grace Spriggs, Garnett, Kan.

FOR FINE BARRED ROCK COCKERELS inquire of Wm. C. Mueller, Route 4, Hanover, Kan.

BUFF ROCK COCKERELS \$1.50, \$3.00. Eggs \$3.50 100. Mrs. M. E. Stevens, Humboldt, Kan.

WHITE PLYMOUTH ROCK EGGS, 15 FOR \$1.00, \$3 per 100. Mrs. Geo. F. Garr, Grenola, Kan.

PRIZE BARRED ROCKS. 104 PREMIUMS. Write for prices. Mrs. Chris Bearman, Ottawa, Kan.

IMPERIAL RINGLET BARRED ROCK COCKERELS; stock direct. Mrs. Wm. Stoll, Le Mars, Ia.

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BARRED ROCK EGGS ONE DOLLAR PER setting. Free mating list. Lee & Son, Elk City, Kan.

IF YOU WANT GOOD BARRED PLYMOUTH ROCKS. Write Frank McCormick, Morrowville, Kansas.

EGGS FROM GOOD BARRED ROCKS, 100 \$4.00, 15 \$1.00, 50 \$2.25. John Vanamburg, Marysville, Kan.

BIG BARRED ROCK EGGS FROM GOOD laying strain. 75c per 15; \$4 100. Mrs. George Pink, Eddy, Okla.

WHITE ROCK EGGS, \$1 15, \$5 100. Write for show record and mating list. Nellie McDowell, Garnett, Kansas.

WEIGHER-LAYER BARRED ROCKS, 106 premiums. Early cockerels \$2.00 up. W. Opler, Clay Center, Kansas.

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WHITE ROCKS, FISHEL STRAIN. EGGS 15 \$1.25, 50 \$2.75, 100 \$5.00. Mrs. Frank Powell, Buffalo, Kan. Two fine roosters.

BARRED ROCK, 50 FINE COCKERELS. Thompson strain; \$1.50 and \$2.00 each. Order quick and get choice. Paul Olivier, Danville, Kan.

PLYMOUTH ROCKS.

BUFF ROCK EGGS FROM FIRST PRIZE winning stock, and utility. Write for prices. R. Houdyshell, Pawnee Rick, Kan.

BARRED PLYMOUTH ROCK BABY chicks and eggs. Write for mating list and prices. Mrs. C. N. Bailey, Lyndon, Kan.

CHOICE THOMPSON BRADLEY STRAIN cockerels, one to \$2.50 each. Also some choice cock birds. M. Burton, Haddam, Kan.

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20 CLOSE BARRED CKL. BRED CKLS. from 92 1/2 point sire \$3.00 each, 2 \$5.00. J. A. Lovette, Poultry Judge, Mullinville, Kan.

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7 GRAND BUFF ROCK COCKERELS, 100 hens and pullets, bargain prices. First at state show. Mrs. Lloyd Clark, Hazelton, Kansas.

GOLDEN BARRED ROCKS, THE BEAUTY and utility breed. Plumage buff and white barring. Catalogue. L. E. Altwain, St. Joseph, Mo.

MY BARRED ROCKS PAY AND WIN. Choice cockerels \$2 to \$5 each; utility birds 4 for \$5. Mrs. H. E. Bacheider, Fredonia, Kan.

BUFF ROCKS, THIRTEEN YEARS' successful breeding. Utility eggs \$2 per fifty; \$4 per hundred. Mrs. Homer Davis, Wai-on, Kan.

BARRED ROCKS—20 EXTRA CHOICE cockerels \$1.50 to \$5.00. Write today. Satisfaction guaranteed. James H. Parsons, Quinter, Kan.

BARRED ROCKS EXCLUSIVELY. EGGS. Utility, \$5.00 per 100. Pen eggs, pullet mating, \$5.00 per 15. Prepaid. R. D. Ames, Walton, Kan.

PARTRIDGE PLYMOUTH ROCKS, 12 FEMALES and 2 okls. Closing them out. Will sell them at a bargain. G. F. Koch, Jr., Ellinwood, Kan.

PURE BRED WHITE PLYMOUTH ROCKS. Fishel beauties. Fine cockerels. Choice eggs for hatching. Mrs. Elmer Lane, Burlington, Kansas.

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PURE BRED BARRED ROCKS WITH SIZE and quality; sixteen years' careful breeding. Eggs \$1.00 per 15, \$5.00 per 100. Glendale Farm, C. E. Romary, Prop., Olivet, Kan.

BARRED PLYMOUTH ROCK FOWLS AND eggs for setting. Have some choice okls. and pullets for sale at \$1.50 up. Satisfaction guaranteed. Gus H. Brune, Lawrence, Kan.

FARM RANGE BUFF ROCKS, FINE WINTER layers. Heavy boned cockerels. Eggs \$1.00 per 15; \$5.00 per 100. Satisfaction guaranteed. Walter G. Squire, Grinnell, Iowa.

BARRED ROCKS, 68 PREMIUMS, TOPEKA, Manhattan, Clay Center, Denver. Cockerel mating only. \$3.00 and \$5.00 per 15 eggs. Miss Mattie A. Gillespie, Clay Center, Kan.

FOR SALE: FINE BARRED ROCK COCKERELS, from stock that wins many prizes. \$2.00 to \$3.00 each. Eggs \$1.00 per 15, \$4.00 per 100. Mrs. A. M. Shipley, Coffeyville, Kan., R. 4.

RINGLET BARRED ROCK COCKERELS, prize winners, from \$5 to \$10.00. Pullet matings. Book your order. Eggs from three fancy mated pens. M. P. Thielen, Expert B. R. Fancier, Lucas, Kansas.

100 ROYAL BLUE RINGLET BARRED Rock cockerels and pullets, scoring 91 1/2 and better. Write for prices and description today. A. L. Hook, North Willow Poultry Ranch, Box 456, Coffeyville, Kan.

LINDAMOOD'S BARRED ROCKS. HAVE won many blue ribbons. Pens now mated. Prices from pens \$3 to \$5 per 15. Utility eggs \$5 per 100. Prepaid. Circular. C. C. Lindamood, Walton, Kan., Harvey Co.

PARTRIDGE PLYMOUTH ROCKS, THE beauty, utility breed. All the leading premiums at Topeka, Leavenworth and the great Kansas City shows. Eggs \$3.00 per 15, \$5.00 per 30. Huhn & Nye, Sta. A Leavenworth, Kan.

PLYMOUTH ROCKS.

BARRED ROCKS, 300 BIRDS FOR IMMEDIATE shipment. We lead, others follow. Won more prizes at Southwestern show than any other exhibitor. Vice Pres. and Sec'y of State Barred Rock Club. Fred Hall, Lone Wolf, Oklahoma.

WHITE ROCKS—PURE WHITE, BIG boned, farm raised cockerels, \$1.50 to \$5.00. Baby chicks 25c piece. Eggs \$1.25 for 15, \$3.00 for 50, \$5.00 for 100. Good laying strain. Prize winners. Mrs. Ben Miller, Newton, Kan.

MY BARRED ROCKS TOOK 6 FIRSTS, 4 seconds and 2 thirds at Rogers Co. poultry show. Eggs from this class of birds \$1.00, \$1.50, \$2.00 and \$3.00 per setting. W. S. Crouch, Claremore, Okla.

WHITE PLYMOUTH ROCKS, "QUEEN Quality" kind. Eggs. Pen No. 1, \$3.00. No. 2, \$2.00 per 15. Utility, \$1.00 per 15; \$5.00 per 100. Bargains in cockerels at \$2.00 each. Stock absolutely white, 1st prize winners under Rhodes. Queen Quality Yards, Odell, Neb.

BARRED PLYMOUTH ROCK COCKERELS from prize winning birds; clean, distinct, narrow barring; good layers. Won prize best colored male at last Kansas City poultry show, the premier show of this section, also other prizes. Price \$2.50 each. Eggs in season. L. P. Coblenz, La Harpe, Kan.

DUCKS.

DUCKS WANTED. THE COPE'S, TOPEKA.

PEKIN DUCK EGGS, 12 \$2.00. MYRTLE Leighton, Effingham, Kan.

INDIAN RUNNER DUCKS \$1.00 EACH. Elmer Crabtree, Elk City, Kansas.

FAWN AND WHITE RUNNERS, \$1.00 each. Mrs. M. A. Easley, Exeter, Mo.

INDIAN RUNNERS, SILVER CUP WINNERS. Burt White, Burlingame, Kan.

WHITE RUNNER DRAKES \$1.00 EACH. Mrs. C. B. Kellerman, Burlington, Kan.

MAMMOTH PEKINS, DRAKES \$1.50. EGGS \$1.50 fifteen. Miss M. Kragh, Driftwood, Okla.

FAWN-WHITE RUNNER DUCKS AND drakes \$1.00 each. Gilbert Brush, Burr Oak, Kan.

ENGLISH PENCILED RUNNER DRAKES \$1.00 and \$1.50. Howard Nighswonger, Alva, Okla.

PRIZE WINNING WHITE INDIAN RUNNERS; trios and eggs. Broadmoor Poultry Farm, Haven, Kan.

WHITE INDIAN RUNNER AND ROUEN ducks. Eggs 12 for \$1.00. H. J. Byers, Homewood, Kan.

MAMMOTH WHITE PEKIN DUCKS, EXTRA large. Eggs \$2.00 for eleven. Jackson Duck Yards, Atchison, Kan.

FAWN AND WHITE RUNNER DUCK EGGS, 100 \$5.00, 50 \$3.00, 15 \$1.00. Stock. G. W. Skinner, Baxter Springs, Kan.

PURE WHITE RUNNER DUCKS, BUFF Orpington chickens. Fancy stock. Best breeding. Free mating list. J. Cox, R. 3, Topeka, Kan.

ENGLISH PENCILED RUNNER DUCK EGGS, \$1.50 and \$3.00 per 13. Won 1st drake, 1st duck at the Topeka state show. D. J. Mackey, Pittsburg, Kan.

WHITE RUNNERS, PURE BRED, WHITE egg strain. Ducks \$2.00. Drakes \$1.00. Eggs \$1.00 per 13, four settings \$3.50. Mrs. H. W. Hammond, Higgins, Tex.

INDIAN RUNNER DUCKS—STATE SHOW winners for years. Fawn Runner eggs \$1.00 per 15, \$3.00 per 50. Pure White Runner eggs \$1.25 per 15, \$4.00 per 50, \$7.00 per 100. Free catalog. Stover & Stover, Fredonia, Kan.

ANCONAS.

ANCONAS, HIGH SCORING, EGGS, 100 \$1. W. G. Shaw, Cherokee, Okla.

ANCONA EGGS FOR HATCHING, 15 \$1.00, 100 \$5.00. Lucile House, Haven, Kan.

EXTRA GOOD ANCONA EGGS \$1.50 PER 15. Radium Poultry Yards, Radium, Kan.

ANCONA EGGS, 100 \$5.00, 50 \$3.00, 15 \$1.00. Stock. G. W. Skinner, Baxter Springs, Kan.

ANCONA EGGS \$1.00 TO \$5.00 PER 15. Won 1st cockerel, 3rd pullet at the Topeka State show. D. J. Mackey, Pittsburg, Kan.

ANCONAS, IF YOU WANT WINTER EGGS try Heaton's free range Anconas. Eggs, 15 \$1.25, 30 \$2.00. Mrs. A. L. Heaton, Harper, Kan.

BANTAMS.

BUFF COCHIN BANTAMS \$1.25 TO \$2.00 each. Lucile Krum, Stafford, Kansas.

BLACKTAILED JAPANESE BANTAM cockerels. Wm. Wischmeyer, Mayetta, Kan.

WYANDOTTES.

SILVER WYANDOTTE COCKERELS, ALTA Murphy, Luray, Kan.

WHITE WYANDOTTES, EGGS \$1.50. R. D. Lake, Burden, Kan.

WHITE WYANDOTTE BREEDERS. T. M. Talbott, Hutchinson, Kan.

CHOICE WHITE WYANDOTTE COCKERELS. A. C. Akey, Belleville, Kan.

BUFF WYANDOTTES, FIFTEEN EGGS \$2. Hardin Mapes, R. R. 3, Salina, Kan.

WHITE WYANDOTTE COCKERELS \$1.50 to \$2. Emma S. Arnold, Manhattan, Kan.

PURE BRED WHITE WYANDOTTE COCKERELS \$1. Mrs. J. R. Antram, Galeburg, Kan.

PURE BRED WHITE WYANDOTTE COCKERELS \$2.00. Mrs. D. H. Zabel, Wetmore, Kan.

WHITE WYANDOTTE COCKERELS, EXTRA good. \$2 to \$4. Ideal Poultry Yards, Wayne, Kan.

GOLDEN WYANDOTTE EGGS, \$1.50 PER 15. A few cockerels. D. Lawver, Weir, Kan., Route 3.

PARTRIDGE WYANDOTTES, EGGS FROM farm flock and choice pens. Walter Dodson, Denison, Kan.

W. WYANDOTTE PULLETS AND COCKERELS. 2 Columbian cockerels. G. D. Willem, Inman, Kan.

HIGH SCORING PARTRIDGE WYANDOTTE cockerels for sale. Mrs. Henry Stallard, Shelbina, Mo.

EXTRA WELL MARKED SILVER WYANDOTTE cockerels \$1.25 to close out. J. M. Clark, Greenleaf, Kan.

100 SILVER LACED WYANDOTTE COCKERELS and Runner drakes \$1.50 each. Fred Kucera, Clarkson, Neb.

PARTRIDGE WYANDOTTE EGGS FOR sale. \$1.50 per setting prepaid. J. B. Claywell, Westmoreland, Kan.

FOR SALE—WHITE WYANDOTTES, Mating list free. Also fox terrier ratters. Glinette & Glinette, Florence, Kan.

PARTRIDGE WYANDOTTE EGGS AND baby chicks, high scoring, bred to lay. E. E. Grimes, Minneapolis, Kansas.

PARTRIDGE WYANDOTTES, HENRY H. White, Woodward, Okla., Route 5, has 20 farm grown cockerels for \$1.50 each.

CHOICE SILVER WYANDOTTE COCKERELS from prize winning stock. Eggs for hatching. Earl Wood, Grainfield, Kan.

WHITE WYANDOTTE WINNERS AT Hutchinson and Wichita State shows. Eggs for sale. Mrs. C. W. Evans, Abbeville, Kan.

SILVER WYANDOTTES, YES, I AM still selling Silver Wyandottes, the breed that lay. M. B. Caldwell, Broughton, Kan.

WHITE WYANDOTTES, OUR YARDS contain winners and layers. Write for mating list. Dodd's White Wyandotte Farm, Girard, Kan.

FARM RAISED SILVER WYANDOTTES. Eggs 75c setting; \$4.00 per 100. Cockerels \$1.00, \$1.50, \$2.00. Mrs. Vowel, Norwich, Kan.

WHITE WYANDOTTE BABY CHIX. INCUBATOR eggs. Now \$5.00 per 100. Also R. I. Red chlx. Mrs. M. E. Johnson, Humboldt, Kan.

COLUMBIAN WYANDOTTES FINE stock. Best all-purpose breed. Eggs for hatching \$1.50 for 15. J. M. Parks, Route 4, Kingman, Kan.

CHOICE MATINGS OF WHITE WYANDOTTES. Eggs from pen \$1.50 15; \$5 100. Utility stock \$1.00 15; \$4 100. Frank Mayer, Marysville, Kan.

ROSE COMB WHITE WYANDOTTE EGGS from show quality and egg strain. Fifteen \$1.00, 30 \$1.50, 50 \$2.50, 100 \$4.50. Garland Johnson, Mound City, Kan.

SILVER WYANDOTTES, TARBOX STRAIN. Farm raised. Choice cockerels \$1.50, \$2.00, \$2.50, \$3.00. Eggs 15 \$1.50, 100 \$6.00. Mrs. Edwin Shuff, Plevna, Kan.

DUSTON'S STRAIN WHITE WYANDOTTES. Stock all scored by Judge Rhodes. Cockerels \$2 to \$5 each. Eggs \$2 for 15. Mrs. Geo. E. Joss, Topeka, Kan.

REGAL WHITE WYANDOTTES, AN HONOUR to their name. Write me for reasonable prices on eggs for hatching or baby chicks. Mrs. C. C. Brubaker, McPherson, Kan.

WHITE WYANDOTTE COCKERELS AND A few pullets and hens from our prize winning strain at farmer's prices, \$2.00 each, 3 for \$5.00. A few extra fancy birds higher. G. A. Wiebe, Beatrice, Neb.

SILVER LACED WYANDOTTE EGGS. Pure bred. Fifteen \$1. One hundred \$5. Sixty % hatch guaranteed or order duplicated at half price. Write for circular or order direct. S. B. Dressler, Lebo, Kan.

COCKERELS—WHITE WYANDOTTES EXCLUSIVELY. Early March hatched; large, vigorous; breeders: Rose Comb, pure white, \$2, \$3, \$5 each. Fertile eggs for hatching \$1 and \$3 setting 15, 100 eggs \$5. Snowflake Poultry Farm, Mrs. H. S. Tonemaker, Beatrice, Neb.

LEGHORNS.

SINGLE COMB WHITE LEGHORNS \$1.00. Will Tonn, Haven, Kan.

S. C. W. LEGHORN EGGS. MRS. W. R. Hildreth, Oswego, Kan.

TWELVE S. C. W. LEGHORN COCKERELS dollar each. A. Pitney, Belvue, Kan.

SINGLE COMB WHITE LEGHORN EGGS for sale. G. R. McClure, McPherson, Kan.

ROSE COMB BROWN LEGHORN EGGS \$1.00 per 15. Olive Hoskins, Fowler, Kan.

SINGLE COMB WHITE LEGHORN EGGS \$3 100. Mrs. Chas. Bullis, Spring Hill, Kan.

75 SINGLE COMB WHITE LEGHORNS. Cockerels \$1.00 up. R. E. Davis, Holton, Kan.

CHOICE S. C. WHITE LEGHORN COCKERELS, one dollar. John Bradley, Garnett, Kan.

S. C. WHITE LEGHORN COCKERELS. Scored. \$1.50 up. J. E. Gish, Manhattan, Kan.

S. C. WHITE LEGHORN EGGS. D. W. Young and Frantz strains. G. D. Willem, Inman, Kan.

SINGLE COMB WHITE LEGHORN COCKERELS, hens and pullets. E. Kagarice, Darlow, Kan.

200 EGG STRAIN SINGLE COMB BROWN Leghorns. 30 eggs \$2. Paul Grill, Ellsworth, Kan.

EGGS, STOCK, BABY CHIX, WINTER laying S. C. W. Leghorns. H. Bennett, Holiday, Kan.

PURE BRED S. C. BROWN LEGHORN eggs. Pen and range. Mrs. A. Anderson, Greenleaf, Kan.

SINGLE COMB BUFF LEGHORNS. PURE Buffs. 30 eggs \$2; 100 \$4.50. John A. Reed, Lyons, Kan.

PURE S. C. W. LEGHORN EGGS FOR hatching. \$3.00 per hundred. J. L. Young, Haddam, Kansas.

PURE BRED SINGLE COMB WHITE LEGHORN eggs \$3.00 per 100. Mrs. W. A. Willour, Ransom, Kan.

R. C. W. LEGHORNS. COCKERELS \$1 each. 6 for \$5. 30 eggs \$1. Fred H. Paulson, Arapahoe, Colo.

S. C. BROWN LEGHORN EGGS FOR hatching. \$2.50 per 100. Mrs. Harry Augustus, Waterville, Kan.

ROSE COMB BROWN LEGHORN COCKERELS. Single Comb females. Mrs. Ida Standiford, Reading, Kan.

CHOICE THOROUGHBRED S. C. BUFF Leghorns eggs for sale. \$1.00 15, \$4.00 100. V. P. Johnson, Saronville, Neb.

ROSE COMB BROWN LEGHORNS; KULP strain. Eggs \$5.00 per hundred prepaid. Mrs. Mary Miek, Ransom, Kan.

PRIZE WINNING SINGLE COMB BROWN Leghorns. Eggs, 100 \$3.50, 30 \$1.25. Chas. Dorr and Sons, Osage City, Kan.

YESTERLAD-FRANTZ LAYING STRAIN Single Comb White Leghorn eggs, 15 \$1.25, 100 \$5. C. G. Cook, Lyons, Kan.

BUY EGGS FROM FLOCK WITH STATE egg record. Eggs \$7.50, chicks \$15.00 100. Jas. R. Snyder, Box E, Frazer, Mo.

R. C. B. LEGHORN EGGS \$1.00 15, \$5.00 100. High scoring stock. Blue ribbon getters. Otto Borth, Plains, Kansas.

PURE BRED ROSE COMB WHITE LEGHORN eggs. Layers. \$1.00 per 15, \$5.00 per 100. Jennie Martin, Frankfort, Kan.

SINGLE COMB WHITE LEGHORNS. SILVER cup winners. 100 eggs \$4, 15 eggs .75. Miss Selma Fager, Admire, Kansas.

PURE BLOOD SINGLE COMB BUFF LEGHORN chicks for sale, six for \$5.00. Eggs \$4.00 per 100. J. P. Rishel, Galatia, Kan.

HIGH SCORING SINGLE COMB WHITE Leghorns. Finest eggs. Cockerels. Mrs. Albert Ray, Specialist, Delavan, Kansas.

PEN SELECTED LAYERS, MATED TO Baron cockerel. Eggs \$2.00 for 13. J. H. Hackley, 705 Beech St., Coffeyville, Kan.

SINGLE COMB WHITE LEGHORN COCKERELS \$1.00. Eggs in season at \$3.00 per 100. Mrs. Eva Frederick, Asherville, Kan.

EGGS, COCKERELS, HENS. S. C. WHITE Leghorns. Winners silver cup for sweepstakes pen 1914-1915. Vira Bailey, Kinsley, Kan.

FAMOUS S. C. W. LEGHORNS. BRED TO lay and win. Finest cockerels \$1. Eggs, chicks. Guaranteed. Geo. Patterson, Lyndon, Kan.

PURE BRED SINGLE COMB BUFF LEGHORNS \$1 to \$3 each. Eggs in season \$5.00 per 100. Prepaid. Mrs. F. B. Wempe, Frankfort, Kan.

SPONG'S SIZE AND QUALITY SINGLE Comb White Leghorns. Hen mating, 100 \$5.00. Pullet mating, 100 \$3.50. Alex Spong, Chanute, Kan.

FRANTZ-BRADSHAW SINGLE COMB White Leghorns. Large cockerels \$1.00. Pullets \$35. Silkies, pigeons. C. S. Rees, Emporia, Kan.

15 EGGS \$1.00. 100 EGGS \$5.00. FROM Ackerman-Frantz laying strains Single Comb White Leghorns. Mrs. Joe Boyce, Carlton, Kansas.

SINGLE COMB WHITE LEGHORN EGGS for hatching from good laying strain. Eggs 200 \$9.00; 100 \$5.00; setting \$1.00. George Nickel, Lebo, Kansas.

FOR SALE-S. C. W. LEGHORN COCKERELS, official score card with each bird. Price \$1.00 up. Also a few pullets \$1.00 up. E. L. M. Benfer, Leona, Kan.

LEGHORNS.

S. C. BROWN LEGHORN SHOW AND utility stock; both matings. Write for prices on stock, eggs and baby chicks. G. F. Koch, Jr., R. No. 3, Ellinwood, Kan.

CHOICE THOROUGHBRED SINGLE COMB White Leghorns; Young, Wyckoff and Frantz strains. Eggs, 15 \$1.00; 50 \$2.50; 100 \$4.00. Adolph Berg, McPherson, Kansas.

EGGS, EGGS, EGGS. FROM SINGLE Comb White Leghorns exclusively. \$1.00 for 15, \$3.00 50, \$5.00 100. Let me book your egg order. R. E. Davis, Holton, Kan.

SINGLE COMB WHITE LEGHORNS. HENS from America's best laying strains. Mated to Barrons laying contest winning strain cockerels. Eggs \$3.50 per hundred. 75c per 15. C. C. Shenkel, Geneseo, Kan.

INGLE'S S. C. BUFF LEGHORNS WON first pen, first hen at Iowa State Fair. At Des Moines show, second pen, second pullet, third hen. Eggs, 15 \$1.25; 50 \$3.00; 100 \$5.00. Otis Ingle, Bondurant, Iowa.

SINGLE COMB WHITE LEGHORNS-BABY chix 15c each. Eggs for hatching 5c each from vigorous range raised bred to lay stock. Won 1st, 2nd, 3rd, 4th cockerel at Parsons, 1914. J. R. Stallings, Oswego, Kan.

S. C. BROWN LEGHORN AND WHITE Rock cockerels. I won 1st on cockerel, 1st on pullet, 1st on pen, State Fair. Same at Bucklin, Meade and Liberal. \$1.50 up. Yours for business. H. N. Holdeman, Meade, Kan.

STANDARD SINGLE COMB WHITE LEGHORNS. Get winter eggs by raising pullets from my bred to lay stock. Pedigree males mated to Standard females. Eggs \$6.00 per 100. 50 \$3.50. Setting \$1.50. E. D. Allen, Inland, Neb.

BAKER'S SINGLE COMB WHITE LEGHORNS. Won at the state show, Wichita, 1915, first pen, second, fourth hen, third pullet, fourth cockerel, all club ribbons but one. Eggs reasonable. Dave Baker, Conway Springs, Kansas.

ROSE COMB REDS. 30 EGGS \$1.50. PAUL Grill, Ellsworth, Kan.

S. C. RED EGGS. RICKSECKER STRAIN. J. H. Graham, Olathe, Kan.

R. C. RHODE ISLAND RED EGGS CHEAP. G. D. Willem, Inman, Kan.

ROSE COMB REDS. TOP NOTCHERS. Reasonable. Shamleffer, Douglass, Kan.

THOROUGHBRED ROSE COMB RED cockerels \$1.00. Wm. Treiber, Wamego, Kan.

S. C. RED EGGS FOR HATCHING AND day old chicks. Mrs. W. L. Maddox, Hazelton, Kan.

R. C. RHODE ISLAND RED EGGS \$1.00 per 15, \$5.00 per 100. V. E. DeGeer, Deerhead, Kan.

BIG BONE ROSE COMB REDS, BOTH sexes for sale. O. M. Lewis, R. 1, Holington, Kan.

SINGLE COMB RED COCKERELS \$2 TO \$5. Range eggs 5c each. D. H. Hauck, Newton, Kansas.

R. C. RED EGGS, \$4 FOR 100; 75C FOR 15. Bourbon Red turkey eggs. Augusta Hand, Ellsworth, Kan.

CHOICE ROSE COMB REDS, BOTH sexes, for \$1 and \$3 each. Mrs. A. L. Scott, Larned, Kan.

ROSE COMB REDS-SELECT MATING, 15 eggs \$1.00; range \$3.00 100. John Jones, Queen City, Mo., R. 2.

FOR SALE-WHITE RHODE ISLAND eggs \$1.50 per 15. Harry W. Heaton, Rushcenter, Kansas.

SINGLE COMB REDS. EGGS \$1 PER setting. Stock from prize winners. Theo. Lysell, Lindsborg, Kan.

RICH, ROSE COMB RED COCKERELS; bargains at \$1.50, \$2.50 and \$3.50. Mrs. Chas. Hill, Toronto, Kan.

LARGE, RICH, DARK RED R. C. REDS. 15 eggs \$1.00; 50 \$3.00 post paid. Nora Luthy, North Topeka, Kan.

FOR QUICK SALE-30 LARGE, PURE, SINGLE Comb Rhode Island Red cockerels \$1.00 each. William Toms, Clifton, Kan.

S. C. REDS-BEST WINTER LAYERS. \$1.50 per setting. \$5.00 per 100, express paid. Mrs. John Winter, Chase, Kan.

SINGLE AND ROSE COMB RHODE ISLAND Red cockerels and eggs for sale. W. S. Koger, R. R. No. 2, Topeka, Kan.

ROSE COMB RED COCKERELS, HENS and pullets. Scored. Prices reasonable. Mrs. Nora Ingraham, Manhattan, Kan.

SINGLE COMB RHODE ISLAND REDS. Cocks and cockerels, both scored and un-scored. Eggs in season. James Sisters, Olathe, Kan.

LENNAPPE STRAIN R. C. RED COCKERELS \$3.00-\$5.00 each. Hen hatched baby chicks 10c each. Order early. Alta Murphy, Luray, Kan.

ROSE COMBED R. I. RED EGGS FOR setting, \$1.00 per 15 or \$5.00 per 100. Orders booked ahead. F. B. Severance, Lost Springs, Kan.

GREAT BIG, HUSKY R. I. RED COCKERELS. \$2.00 and up. Both combs. Sired by Kansas state show winners. A. M. Butler, Wichita, Kan.

EGGS ONLY, ROSE COMB REDS. Typical Red shape, deep brilliant red. High scoring, egg strain; \$1.00 up. Box 33, Whitewater, Kansas.

SINGLE COMB RED EGGS FROM CHOICE range flock \$1 per fifteen, \$4.00 per 100. Orders booked for early shipment. H. A. Bushby, Rydal, Kan.

RHODE ISLAND REDS.

S. C. REDS. MATING LISTS NOW READY. Thos. D. Troughton, Wetmore, Kan.

R. C. RHODE ISLAND REDS-BEST WINTER layers. Eggs from high scoring birds, \$1.00 per 15, \$5.00 per 100. Mrs. A. J. Nicholson, Manhattan, Kan.

THOROUGHBRED ROSE COMB RED cockerels \$1.50. Single Comb Red cockerels of good egg laying strain \$1.00. Mrs. Maude Shepard, Wayne, Kan.

EGGS FROM SELECTED STOCK ACCORDING to Standard. Rose Comb Rhode Island Reds; 15 \$2.30 \$3. (Shipping point Topeka.) W. M. Hixon, Berryton, Kan.

THOROUGHBRED, DARK, VELVETY. Rose Comb Reds. 15 eggs \$1.00. 100 \$5.00. Satisfaction guaranteed. Mrs. Monte Wittsell, Route 3, Erie, Kansas.

ROSE COMB REDS-WINNERS AT TOPEKA and Wichita, Kan. Yard eggs \$2.00 per 15. Farm range \$4.50 per 100. Free catalog. Stover & Stover, Fredonia, Kan.

BIG BONED, DARK VELVETY ROSE Comb Reds. Utility stock. Best winter layers, \$1.25 per 17 postpaid. \$5.00 100. Mrs. Walter Shepherd, Woodward, Okla.

THOROUGHBRED S. C. REDS. COCKERELS \$2.50. Eggs \$5.00 100 after Feb. 20. Chicks 12 1/2 each for March delivery. Satisfaction guaranteed. Minnie Horst, Wamego, Kan.

S. C. REDS-BUSCHMANN-PIERCE AND Tompkins strains. Heavy winter layers. Eggs \$1.50 to \$2.00 per 15. \$7.00 per 100. Mrs. T. D. Cowen, 742 Osburn, Ft. Scott, Kan.

DURKEE'S SINGLE COMB REDS ARE winners. Eggs for hatching, \$1.00, \$1.50, \$2.00 per setting; \$5.00 per hundred. Parkdale Poultry Yards, 715 Branner, Topeka, Kan.

ROSE COMB RHODE ISLAND REDS EXCLUSIVELY. Rich red, velvety; Beam strain. 15 eggs \$1.00. 100 \$5.00. Satisfaction guaranteed. Mrs. Chancey Simmons, Erie, Kansas, Route 3.

RHODE ISLAND REDS, BOTH COMBS. Twelfth year of sending out guaranteed fertility and safe arrival low priced eggs considering quality of stock. Mating list free. H. A. Sibley, Lawrence, Kan.

FOR SALE-BABY CHICKS, REDS, BOTH combs. Marshall strain. Won 3 firsts and 1 second with 4 entries at Kansas City, Jan., 1915. These chicks are from year old hens, sturdy and vigorous. Write today. C. T. Potter, Lacygne, Kan. Safe delivery guaranteed.

100 ROSE COMB RHODE ISLAND COCKS and cockerels that have shape, color and size. Sired by roosters costing from \$15.00 to \$75.00 at \$1.50, \$3, \$5, \$7.50 and \$10 each; a few higher. No better bred birds. Pens mated for 1915 by far the best we ever had. W. R. Huston, Americus, Kan.

RHODE ISLAND WHITES.

RHODE ISLAND WHITES - LARGE, early Rose Comb cocks, from best laying and show strains, \$1, \$2, \$3. Eggs, 15 \$1.50; 50 \$4.00; 100 \$8.00. Col. Warren Russell, Odessa Farm, Winfield, Kan.

LANGSHANS.

BLACK LANGSHAN EGGS, 15 \$1.50. Sarah Peters, Nashville, Kan.

WHITE LANGSHAN COCKERELS, EGGS in season. Mattie Rowe, Lane, Kan.

BLACK LANGSHANS, FEDERATION WINNERS. Write Mary McCaul, Elk City, Kan.

BLACK LANGSHAN EGGS AND STOCK reasonable. Martha Haynes, Grantville, Kan.

WHITE LANGSHANS, GUARANTEED. Write Mrs. Howard Erhart, Independence, Kan.

LARGE BLACK LANGSHAN EGGS \$1.50 per setting. Arthur Lee, Greensburg, Kansas, R. 2.

WHITE LANGSHANS, COCKERELS, PULLETS, eggs in season. Mrs. Geo. McLain, Lane, Kan.

BLACK LANGSHAN EGGS FOR HATCHING. \$1.00 for 15, \$2.50 for 45. W. S. L. Davis, Nickerson, Kan.

BLACK LANGSHAN CHOICE COCKERELS. Satisfaction guaranteed. Eggs in season. Roy Hayes, Oberlin, Kan.

BLACK LANGSHAN EGGS FROM HIGH scoring winter layers, \$1.50 per 15 or \$5.00 per 100. Geo. W. Shearer, Lawrence, Kan.

WHITE LANGSHANS - PURE BRED, heavy winter layers. None better. Eggs from extra good matings, \$4.00 per 100, \$1.00 per 15. James A. Davis, Richards, Mo.

BLACK AND WHITE LANGSHANS, WINNERS at Kansas State Fair, state show, and Federation show. Choice mating. Eggs \$3.00 for 15. Range flock \$6.00 for 100. H. M. Palmer, Florence, Kan.

FOR QUICK SALE-60 THOROUGHBRED Black Langshan cockerels, weighing 8 to 10 pounds, \$2.50, \$3.00 and \$5.00. Will pay express both ways and refund money, if dissatisfied. Also a few White Langshan and Partridge Rock cockerels. Write quick. Frank A. Vopat, Lucas, Kansas.

MINORCAS.

SINGLE COMB BLACK MINORCA EGGS. Write Victor Hawkinson, Randolph, Kan.

SINGLE COMB BLACK MINORCA COCKERELS \$2.00 each. Guaranteed first class. Fred Speakman, Tyrone, Okla.

TRY EGGS FROM LARGE THOROUGHBRED Single Comb Black Minorcas. Good layers. Non-setters. Satisfaction guaranteed. Inquiries answered promptly. Ed Leach, Randolph, Kan.

TURKEYS.

TURKEYS WANTED. THE COPE'S, Topeka.

PURE BOURBON RED TOMS. JOHN Carroll, Lewis, Kan.

PRIZE M. B. TURKEY TOMS. VIRA Bailey, Kinsley, Kan.

BRONZE TOMS \$3.00; TWO FOR \$5.00. Joseph Seal, Wakefield, Kan.

PURE BOURBON RED TOMS. NETTIE McCormick, Yates Center, Kan.

MAMMOTH BRONZE TURKEY TOMS \$5. W. B. Williams, Carlton, Kan.

NARRAGANSETT TURKEY EGGS. Mrs. John Mitchell, Lafontaine, Kan.

WHITE HOLLAND TURKEYS. PRICES free. Grace Garnett, Marion, Mo.

GIANT STRAIN MAMMOTH BRONZE turkeys. F. V. Sprowls, Liberty, Neb.

MAMMOTH WHITE HOLLANDS FROM prize winners. Lula Dick, Lucas, Kan.

LARGE PURE BRED BOURBON TOMS \$4.50. Mrs. D. H. Zabel, Wetmore, Kan.

WHITE HOLLAND TURKEYS FROM prize winning stock. S. A. Warren, Reger, Mo.

PURE BOURBON RED TURKEYS. STANDARD size and markings. Fay Egy, Taron, Kan.

LARGE, FULL BLOOD BOURBON RED turkeys for sale. Emma Lamb, Havana, Kan.

EXTRA FINE PURE BRED MAMMOTH Bronze turkeys. C. E. Foland, Almena, Kansas.

GIANT BRONZE TURKEY EGGS. PRIZE strain, 30c each; \$25 100. Ed Lockwood, Kinsley, Kan.

BOURBON RED TURKEY EGGS. Fertility guaranteed. Mrs. W. P. McFall, Pratt, Kan.

LARGE WHITE HOLLAND TURKEYS. Tom \$5.00. Hens \$3.50. Ed M. Conn, Osborne, Kan.

BIG BONED PURE BRED BOURBON RED turkeys. Unrelated trios. Mrs. Sam Clark, Hazelton, Kan.

PURE BRED M. B. TURKEY PRIZE WINNERS. Toms \$5.00, hens \$3.00. Sam Caughey, Asherville, Kan.

EXTRA LARGE, PURE WHITE HOLLAND toms \$4.00, hens \$2.50. Mrs. Will Jones, Wetmore, Kan.

THOROUGHBRED BOURBON RED TURKEYS. \$3 per 11 eggs. Order early. H. B. Humble, Sawyer, Kan.

LARGE, FINE WHITE HOLLAND TOMS, four dollars; hens three dollars. G. M. Loftiss, White City, Kan.

THOROUGHBRED BOURBON RED TOMS \$4. Hens \$3. White Langshan cockerels \$1 each. Mrs. Geo. Bair, Holton, Kan.

MAMMOTH WHITE HOLLAND TURKEYS for sale. Eggs \$2.50 per 11 in season. Mrs. Ada Poindexter, Medicine Lodge, Kan.

MAMMOTH BRONZE TOMS FOR SALE. Weight 28 to 32 lbs. Prices reasonable. Eggs in season. Nettie Lee Davis, Hume, Mo.

BOURBON RED TURKEY TOMS \$4.00. Eggs 25c each. Brown Leghorn pullets and cockerels \$1.00 each. Mrs. John Roberts, Hampton, Iowa.

BOOKLET ON TURKEY RAISING. VALUABLE, practical information, 75c. Raise big flocks every year. I do; you can. Mary Culver, King City, Mo.

CHOICE EARLY PURE BOURBON RED toms. Big boned, dark red, well marked. \$4. White Wyandotte cockerels \$1. Mrs. Oliver Butcher, Sedan, Kan.

PERKINS'S BRONZE TURKEYS HAVE won more prizes wherever shown than all others combined. No better blood in America. G. W. Perkins, Newton, Kan.

BOURBON RED TURKEYS-WINNERS OF 14 first premiums at St. Louis, Topeka and Wichita. Eggs \$3.00 and \$4.00 per 11. Free catalog. Stover & Stover, Fredonia, Kan.

BOURBON RED TURKEY EGGS FROM 3 yards unrelated, \$3 for 11. Large, well colored birds. Prize winners. Directions for raising and receipt for homemade lice powder free. Ringlet Barred Rock eggs. Mrs. C. B. Palmer, Unlontown, Kan.

BRAHMAS.

PURE BRED LIGHT BRAHMA COCKERELS, \$1, \$2. Eggs 15 \$1. Carle Warner, Grenola, Kan.

SOME NICE FULL BLOOD LIGHT BRAHMA cockerels, \$2.00 each. Mrs. I. A. Pember, Ness City, Kan.

HOUDANS.

THOROUGHBRED HOUDAN COCKERELS and eggs. Mrs. August Smith, Cleburne, Kan.

HAMBURGS.

SILVER SPANGLED HAMBURG COCKERELS for sale. Good show birds, large, fully developed, at \$2.50 if taken at once. Mrs. Minnie Koch, R. No. 3, Ellinwood, Kan.

BUTTERCUPS.

BUTTERCUPS EXCLUSIVELY, ONE EXTRA fine pen only. Eggs \$3.00 per setting. Jon. R. Blair, Russell, Kan.

MY TRUE SICILIAN BUTTERCUPS. BEST money can buy. Heavy layers and beautiful. Prosperity and happiness with this breed. Write for circular and prices. W. C. West, 321 Park Ave., Topeka, Kansas.

ORPINGTONS.

BUFF ORPINGTON EGGS. C. A. Bassett, Burlingame, Kan.

S. C. BUFF ORPINGTONS, COCKERELS. Mrs. S. W. Rice, Wellsville, Kan.

WHITE ORPINGTON EGGS \$1 PER FIFTEEN. Dr. Newsome, Iola, Kansas.

FEW BUFF ORPINGTON COCKERELS AT \$1.25. Lettie Vining, Mahaska, Kan.

S. C. BUFF ORPINGTON EGGS \$1.50 PER FIFTEEN. R. A. Watson, Fredonia, Kan.

BUFF ORPINGTON COCKERELS AND PENS. Mrs. T. N. Beckey, Linwood, Kan.

WHITE ORPINGTON EGGS FROM VIGOROUS FARM FLOCK. Gustaf Nelson, Falun, Kan.

S. C. W. ORPINGTON COCKERELS AND YOUNG STOCK. Mrs. Fred Baillie, Fredonia, Kan.

GERTRUDE GEER'S BUFF ORPINGTON FARM RANGE. Eggs \$1.50 setting. Winfield, Kan.

LARGE SINGLE COMB WHITE ORPINGTON COCKERELS \$2.00 EACH. Bill Gray, Green, Kansas.

BUFF ORPINGTON COCKERELS, EGGS \$1.50, \$5 \$4.00. Clarence Lehman, Newton, Kan.

BUFF ORPINGTONS, MATING LIST READY. Eggs reasonable. A. Latham, Ingersoll, Okla.

3 FIRSTS, WHITE ORPINGTON WINNERS. For eggs write Edith Vincent, Jamestown, Kan.

SINGLE COMB BUFF ORPINGTON COCKERELS \$2.50. Mrs. Raleigh Weaver, Wakefield, Kan.

THOROUGHbred BUFF ORPINGTONS, COCKERELS \$1.00. Fred Robinson, Winfield, Kan., R. 4.

WHITE ORPINGTONS, EGGS \$1.00 PER SETTING. \$5.00 per 100. Hester Aubrey, Green City, Mo.

S. C. BUFF ORPINGTON COCKERELS. Excellent quality. Willard Moyer, Manhattan, Kan., R. 4.

WHITE ORPINGTONS, LET ME TELL YOU ABOUT THEM. Eggs at honest prices. Sharp, Iola, Kansas.

PURE SINGLE COMB BUFF ORPINGTON EGGS \$1.25 PER SETTING, POSTPAID. Mrs. J. Drennan, Liberty, Kan.

BIG, BLOCKY, S. C. BUFF ORPINGTONS. Cook strain. Eggs \$1.00 for 15. The Thielen, St. Paul, Kan.

THOROUGHbred CRYSTAL WHITE ORPINGTON EGGS \$1.50 PER 15, \$7.50 PER 100. Charles Pfeffer, Riley, Kan.

WHITE ORPINGTON EGGS, FIFTEEN \$1. Hundred \$5. Males English strain. Mrs. Helen Lill, Mt. Hope, Kan.

WHITE ORPINGTON COCKERELS, KELLERSTRASS COOKE STRAIN. \$2 and \$3 each. Mrs. Geo. Walker, Alden, Kan.

S. C. BUFF ORPINGTONS, COCKERELS AND COCKS \$2 TO \$10. Hens \$1 to \$3. Mrs. Grant Stafford, Winfield, Kan.

S. C. BUFF ORPINGTON EGGS, PURE BRED. \$1.00 setting, \$5.00 hundred. J. W. Wright, Newton, Kan., Route 6.

BUFF ORPINGTON EGGS FROM BEST LAYING STRAIN ON MARKET. Per 15 \$1.25. Rev. H. C. Duckett, Sidney, Iowa.

WHITE ORPINGTONS, LARGE AND FINE. Heavy layers. Eggs, \$1.50 15; \$6.00 100. Mrs. Eugene Lancaster, Brenner, Kan.

SINGLE COMB BUFF ORPINGTONS—MARTZ STRAIN; FARM RAISED. Eggs \$1.50 per setting. C. M. Gray, Palmyra, Missouri.

THOROUGHbred S. C. BUFF ORPINGTON EGGS \$1.00 PER 15, \$6.00 PER 100 DELIVERED. J. A. Blunn, Sta. A. Wichita, Kan.

WELLER'S BUFF ORPINGTONS LAY MORE, GROW FASTER, WIN. Mating list proves this. \$1.50 per 15. Lewis Weller, Salina, Kan.

S. C. BUFF ORPINGTON EGGS FOR HATCHING. 75c for 15, or \$4.00 per 100, from fine birds. Mrs. S. S. Tate, Orlando, Okla.

241 EGG STRAIN, BUFF ORPINGTONS. 200 choice cockerels, hens and pullets. Catalogue free. Walter Bardsley, Neola, Iowa.

25 WHITE ORPINGTON COCKERELS \$2 AND \$3 EACH. Every bird guaranteed. Walter Johnson, R. F. D. No. 3, Coffeyville, Kansas.

FOR SALE, BUFF ORPINGTON COCKERELS. Grand sire was imported and cost \$150.00 in England. Three to five \$. Clara B. Barber, Corbin, Kan.

BUFF ORPINGTON CKLS, WINNINGS, TOPEKA, FOURTH CKL; EMPORIA, FIRST COCK, FIRST HEN, SECOND PULLET, SECOND PEN. Prices right. A. R. Carpenter, Council Grove, Kan.

S. C. GOLDEN BUFF ORPINGTONS. Cook's strain. Eggs \$2.25, 100 \$5.50. Parcels paid 3rd zone. This farm for sale. White House Poultry Farm, Salina, Kan. E. D. Hobbs.

8 FINE WHITE ORPINGTON COCKERELS. Kellerstrass and Booth strains, at a sacrifice. Price from \$2 to \$5 apiece. Choice birds only. Won all firsts. W. W. Mollhagen, Lorraine, Kansas.

DON'T OVERLOOK OVERLOOK POULTRY FARM. Sweepstakes Orpingtons, Buff and Black. Six correctly mated pens. Mating list ready. Prices right. Chas. Luengene, Box M 149, Topeka, Kan.

WHITE ORPINGTONS—EGGS FROM ALWAYS HEALTHY, VIGOROUS BIRDS BRED FOR YEARS FOR HEAVY LAYING. \$1.50 setting; \$6 hundred, express paid. Some good cockerels. J. H. Lansing, Chase, Kansas.

WHITE ORPINGTONS—SIXTY-FIVE EGGS ON JANUARY NINTH FROM ONE HUNDRED LAYERS. Few choice utility cockerels left at \$2.50 each. Hens, pullets and eggs for sale. Urbandale Poultry Farm, Butts Bldg., Wichita, Kan.

SEVERAL VARIETIES.

GUINEAS, HENS, COCKERELS, CAPONS WANTED. The Cope's, Topeka.

WHITE ROCKS, BUFF DUCKS, BOURBON RED TURKEYS. Mrs. Chas. Snyder, Effingham, Kan.

FOR SALE—WHITE RUNNER DUCKS. Buff Orpington cockerels. Katie Lusk, Plains, Kan.

WHITE LEGHORNS, WHITE RUNNER DUCKS. Eggs. Snyder's Little Diamond Farm, Topeka, Kan.

BLACK LANGSHAN COCKERELS, WHITE RUNNER DUCKS FOR SALE. Eggs. H. H. Tillotson, Latham, Kan.

3479 COCKERELS, TWENTY-NINE VARIETIES CHICKENS, GESE AND DUCKS. Address Aye Bros., Blair, Neb.

PREPAID, S. C. WHITE LEGHORN, FAWN AND WHITE INDIAN RUNNER DUCK EGGS. O. N. Keller, Le Roy, Kan.

FOR NEARLY ALL BREEDS FANCY POULTRY AND EGGS. Baby chix and Duroc hogs, F. Kremer, Manchester, O.ia.

45 GOLDEN WYANDOTTE AND PART-RIDGE ROCK COCKERELS AND PULLETS. Bargain prices. C. E. Florence, Eldorado, Kan.

35 LEADING VARIETIES CHICKENS, DUCKS, GESE, TURKEYS. Eggs and stock guaranteed. Davis Brothers, Lincoln, Neb.

BRONZE, BOURBON TOMS, LIGHT BRAHMA, S. C. BROWN LEGHORN HENS, COCKERELS, EMBDEN GANDERS. Emma Ahlstedt, Roxbury, Kan.

S. C. WHITE LEGHORNS (FERRIS & YOUNG STRAIN). Winners and high scoring birds. Closing out. Few fawn white ducks. F. E. Fisher, Wilson, Kan.

FAWN-WHITE RUNNER DUCKS AND DRACKS, WHITE EGG STRAIN. \$1.00 each. S. C. W. Leghorn eggs \$5.00 per 100. Mrs. J. C. Jewell, Valley Center, Kan.

BARRED ROCK EGGS FROM SILVER CUP WINNERS. Pen 1, \$3; pen 2, \$2 setting 15 eggs. Bourbon Red turkey eggs 25c each. Mrs. Ed Snyder, Fontana, Kan.

BUFF ORPINGTON CHICKENS AND DUCKS. None better. Hen eggs \$1.00-\$5.00 per 15. Duck eggs, \$2.00 per 12. List free. Buffal Poultry Farm, R. No. 2, Altoona, Kan.

S. C. RED COCKERELS, LARGE BONED, DARK RED, FARM RAISED; FOR QUICK SALE \$2 TO \$5. Eggs cheap. Large Toulouse geese eggs 25c apiece. J. B. Haworth, Argonia, Kan.

BOURBON RED TURKEYS, WORLD'S BEST STRAIN. Great big, vigorous, farm raised, deep breasted birds. Also white egg Indian Runners. These are from prize winning stock. Eleonora Poultry Ranch, Brighton, Colo.

ROSE COMB REDS, NO. 1 STOCK. 100 eggs \$4.00. Pen eggs, \$1.00 15. Banded Rock No. 1 stock. 100 eggs \$4.00. Pen eggs, \$1.00 15. Fishel strain White Indian Runner ducks. Eggs, \$6.00 100; \$1.00 15. Latham Poultry Farm, James A. Harris, Latham, Kan. Satisfaction guaranteed.

BLUE ANDALUSIANS.

GOOD QUALITY BLUE ANDALUSIANS. Cockerels \$3.00 for sale. Mrs. C. W. Parks, Eureka, Kan.

BLUE ANDALUSIAN EGGS \$2.00 PER SETTING OR \$12.25 A HUNDRED. A. A. Neufeld, Route 4, Inman, Kan.

MISCELLANEOUS.

EGG CASES 15C EACH. THE COPE'S, TOPEKA.

CAPONS—THE BEST OF MOTHERS, TWO DOLLARS EACH. Fred Botchlett, Hobart, Okla., Route 2.

POULTRY PRINTING—LETTERHEADS, ENVELOPES, CATALOGS. Ask for prices. Bedford, Plattville, Colorado.

FIFTY BABY CHIX FREE, NEW HOT WATER JUB BROODER. Eggs for hatching. Free circular. Kansas Poultry Company, Norton, Kansas.

POULTRY RAISERS SUCCEED WITH MANDY LEE INCUBATORS, LEE'S LICE KILLER, GERMOZONE, AND LEE'S EGG MAKER. Sold by dealers or direct. Send for Catalogs and Lee's Poultry Book. Free. Geo. H. Lee Co., Mfrs., Dept. 37, Omaha, Neb.

FORCED TO SELL—THE MOST MODERN AND BEST EQUIPPED COMMERCIAL POULTRY AND EGG FARM IN KANSAS. Thoroughly modern five room home. Hot water heat brooder house with brooding capacity of 3200 chicks. Feed mill. Colony houses. Laying houses, etc. The right man can make fifty per cent per year on this investment. Am offering at a sacrifice. Address G. Mall and Breeze, for complete particulars.

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A BIG, STOUT, LUSTY CHICK FROM EVERY HATCHABLE EGG. The proven record of Fairfield Incubators everywhere. Free catalog and poultry book. Sam Thompson, Fairfield Incubator Co., No. 56 Main St., Fairfield, Nebraska.

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SHETLAND PONIES, CHARLES CLEMMONS, COFFEYVILLE, KAN.

STANDARD BRED STALLIONS FOR SALE RIGHT. D. H. Bibens, Larned, Kan.

SHETLAND PONIES—MARES, COLTS, STALLIONS. Henry Tangeman, Newton, Kan.

REGISTERED RED POLL COWS FOR SALE. D. F. Van Buskirk, Blue Mound, Kan.

REGISTERED HOLSTEIN BULLS, GOOD INDIVIDUALS. Pleasant View Dairy Farm, E. Violet, Altoona, Kan.

FOR SALE—ONE THOROUGHbred PERCHERON STALLION. One black jack, 4 jennets. W. M. Dice, Tecumseh, Kan.

FOR SALE—BLACK JACK, 16 HANDS HIGH, EXTRA GOOD ONE; GOING TO QUIT THE BUSINESS. J. E. Dreier, Hesston, Kan.

FOR SALE—REGISTERED ANGUS BULLS, THE VERY BEST OF BREEDING. Write for prices. J. W. Taylor, R. 8, Clay Center, Kan.

FOR SALE—A COMING 3 YR. OLD REGISTERED PERCHERON STALLION, BLACK, WILL MATURE 2200 LBS. John Lortscher, Fairview, Kan.

SIX REGISTERED GALLOWAY BULLS. Also registered Percheron stallion, coming two. Write for prices. J. M. Innes, Beardslay, Kan.

HOLSTEIN FRIESIAN HERD BULL FOR SALE; DROPPED SEPT. NINETEEN SEVEN; OUT OF DAM MAKING OVER 22 LBS. BUTTER PER WEEK. Milkyway Farm, Abilene, Kansas.

FOR SALE—PURE BRED PERCHERON STALLION. Dark gray. Coming four. Ten horse. Colts to show. A bargain if sold soon. J. F. Rhodes, Tampa, Kan.

GOOD 3 1/2 YEAR OLD MAMMOTH BLACK JACK, GOOD SIZE, FLAT BONED, WELL BROKE AND EXTRAORDINARY QUICK SERVER. Write or call soon. V. E. Healea, Marion, Kansas.

PEDIGREED DUROC BOARS FOUR MONTHS OLD, WEIGHT 120 LBS., \$12.50. Gilts two months, \$10.00. Prize winning S. C. E. Minorca eggs \$2 setting. A. V. Balch, Morrillton, Ark.

FOR SALE, AT A BARGAIN, ONE PERCHERON STALLION "GRADE," WEIGHT EIGHTEEN HUNDRED AND EXCELLENT BREEDER; SIX YEARS OLD; COLOR BLACK. H. B. Humble, Sawyer, Kansas.

REGISTERED FRENCH DRAFT STALLION. In ton class, sound, sure foal getter, and good server, six years old, good disposition. For sale cheap or exchange for automobile. A. V. Lock, Burlington, Kan.

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REGISTERED FRENCH DRAFT STALLION. In ton class, sound, sure foal getter, and good server, six years old, good disposition. For sale cheap or exchange for automobile. A. V. Lock, Burlington, Kan.

GOOD 3 1/2 YEAR OLD MAMMOTH BLACK JACK, GOOD SIZE, FLAT BONED, WELL BROKE AND EXTRAORDINARY QUICK SERVER. Write or call soon. V. E. Healea, Marion, Kansas.

PEDIGREED DUROC BOARS FOUR MONTHS OLD, WEIGHT 120 LBS., \$12.50. Gilts two months, \$10.00. Prize winning S. C. E. Minorca eggs \$2 setting. A. V. Balch, Morrillton, Ark.

FOR SALE, AT A BARGAIN, ONE PERCHERON STALLION "GRADE," WEIGHT EIGHTEEN HUNDRED AND EXCELLENT BREEDER; SIX YEARS OLD; COLOR BLACK. H. B. Humble, Sawyer, Kansas.

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COW PEAS—NEW ERA. SAMUEL KELLER, CANEY, KANSAS.

FOR SALE—BLACK AMBER CANE SEED \$1.00 PER BUSHEL; BALED PRAIRIE HAY. Fettrich, Altamont Kan.

ALFALFA SEED, DELIVERED, \$9.50 BUSHEL. J. Glenn, Wallace, Kan.

ALFALFA SEED, \$9, SACKED, SAMPLE SENT. Will Cullins, Peabody, Kan.

CHOICE NONIRRIGATED ALFALFA SEED 14 CTS. PER LB. Wallace Libbey, Larned, Kan.

ALFALFA SEED FOR SALE. 200 BUSHELS, FROM \$7 TO \$10 PER BUSHEL. Write for sample. A. G. Beedy, Colby, Kan.

CHASKIA VALLEY ALFALFA SEED, FREE FROM NOXIOUS WEED SEED. Write for sample and price. J. B. Rapp, Blackwell, Okla.

ALFALFA SEED—WESTERN KANSAS DRY LAND ALFALFA SEED FOR SALE. Samples and prices on application. P. O. Box 276, D. O. Chesmore, Atwood, Kan.

ALFALFA SEED FOR SALE. I HAVE ABOUT 100 BUSHELS OF 1914 CROP ALFALFA SEED, RECLEANED AND FINE. Price \$8.00 per bushel. Ask for samples. E. A. Ful

LANDS

180 CLOUD COUNTY IMPROVED, GROWING wheat, \$5400.00. 1315 Lincoln, Topeka, Kan.

WANT NORTHWESTERN KANSAS LAND \$400 per quarter. Constable, Herndon, Kan.

CALIFORNIA ORANGE AND OLIVE LAND for sale. Lineker Land Co., Palermo, California.

ON THE BARGAIN COUNTER - GOOD prairie farm near town, for quick sale. Address Box 138, Morrison, Okla.

RICE COUNTY 150 ACRES, WELL IMPROVED, rich soil. Bargain, \$10,500, \$2,000 cash. Box 53, Whitewater, Kansas.

SUBURBAN HOME-JOINS OTTAWA (Kansas) University. Modern. Six acres sell or lease. Edwin S. Stucker, Evangelist.

TO EXCHANGE-IMPROVED 180 ACRES in Madison Co., Mo., for clear western land or good rental. Box 253, Yates Center, Kan.

160 ACRES OF THE BEST IMPROVED land in Reno county for sale at \$62.50 per acre. Easy terms. A. H. Moffet, Larned, Kan.

SELL YOUR PROPERTY QUICKLY FOR cash. No matter where located. Particulars free. Real Estate Salesman Co., Dept. 5, Lincoln, Neb.

FOR SALE-150 ACRE FARM, VALLEY land, near town, school, church, telephone, good roads. Owner, A. P. Kemper, Mountain Grove, Mo.

FOR SALE: ONE HALF-SECTION, ONE quarter and one 80 near good town with two railroads. For particulars, write Henry Klaumann, Cuba, Kan.

CHOICE HARDWOOD CUTOVER LANDS convenient to railroads. Wholesale prices. Easy terms. Write for map and information. Arpin Lumber Company, Grand Rapids, Wis.

FOR SALE-FARMS ON THE CROP PAYMENT plan. Small payment down. Best chance you will ever have to acquire a home of your own. Write Geo. W. Peterson, Leonardville, Kan.

EIGHTY ACRES, FIFTY CULTIVATED. IMPROVED, near good town, school and church. McDonald County, Mo. Two hundred dollars down, balance fifteen per month. G. R. Bixler, Iola, Kan.

FREE GOVERNMENT LAND FOR FARMERS in prosperous Colorado. Where it is, how to get it. Write for official information immediately. Immigration Dept., 1515 Tremont, Denver, Colo.

FOR SALE-240 ACRES PASTURE NEAR Onaga, Pottawatomie county. Limestone soil, everlasting water, \$25 per acre, terms to suit. Also 5 to 20 acre tracts close in. O. P. Updegraff, Topeka, Kan.

1/2 SECTION BLAINE CO., OKLA., NOT far from county seat. 175 acres in cultivation, balance in pasture. Terms on part. Will put 90 a. of wheat with the place if taken soon. H. Laughlin, Fay, Okla.

FOR SALE-40 ACRES ADJOINING ROSWELL, N. Mex. All alfalfa and young orchard. Plenty water, new modern buildings. Or will trade for good stock farm near market. J. W. Clemens, Roswell, N. Mex.

ACCOUNT AGE WILL SELL FARM cheap. 320 acres on Saline valley, 250 suited to alfalfa, 80 to irrigation, 25 feet to underflow. Buildings fair repair. Occupied by owner. G. M. Brooks, Park, Kansas.

PRODUCTIVE LANDS; CROP PAYMENT or easy terms along the Northern Pac. Ry. in Minn., N. D., Mont., Idaho, Wash. and Ore. Free literature. Say what state interests you. L. J. Bricker, 48 Northern Pac. Ry., St. Paul, Minn.

FOR SALE-160 ACRES IMPROVED. EXCELLENT stock farm; 100 acres pasture, 60 acres subirrigated valley land, 25 acres alfalfa, 10 acres prairie hay, creek, springs and lakes, timber for fuel and posts. H. Plaster, Beaver, Okla.

320 ACRES IN OSAGE COUNTY, KANSAS; 12 miles south of Topeka on Missouri Pacific, 1/2 mile north of Swisssdale; all limestone soil; everlasting water; 20 acres in alfalfa; 30 acres in clover. I offer this farm at \$50 an acre—a sacrifice. John Gibbs, Argentine, Kan.

CLOSE PARTNERSHIP FOR AN EASTERN client. I offer five of the choicest quarters in Grant county, Oklahoma. All level bottom land and in a high state of cultivation. Seven hundred acres in wheat and looking fine. For terms address C. W. Straghan, Wakita, Okla.

FOR SALE OR RENT-40 ACRES, 3 MILES of Carbondale, Kan.; 30 under cultivation, balance pasture and little timber on creek; 2-room house, barn, cow lot, chicken house and corn crib; 1 mile to good school; 3 to church and store; fine neighborhood. Am a widow and must sell or rent quick. Bargain. Mrs. Rachel Layman, Carbondale, Osage Co., Kan.

155 ACRES 80 ACRES IN CULTIVATION; 80 acres more can be cultivated; nice timber; cistern, well and pond; one good two room house and 2 room tenant house, fair barn; 1 mile to school and church; 1 1/2 miles to Calico Rock; a nice farm. Price \$12.00 per acre. Large free list. W. J. Copp, Calico Rock, Ark.

HOMESTEADS-GOVERNMENT LAND IN California-take advantage of low fares-see Exposition during the winter-it opens Feb. 20-secure a homestead. Good land still open. Twenty million acres to choose from. We give information about best homesteads. Maps showing vacant land, description of laws, land etc., cost \$2.50. Stine & Kendrick, 26 Montgomery St., San Francisco.

THE HOYT STATE BANK OF HOYT, Kan., has 2 fine 1/2 sections of Texas land they will sell at a great bargain. Both well improved and laying side by side. Level. Thousands of water near surface. Every foot of this land can be irrigated. In the noted shallow water belt of Texas. Irrigation a great success here. 3 miles to town and R. R. station. Country settled. No asthma, catarrh or malaria. Irrigated land selling for \$50 to \$70. This can be bought at \$30 per acre. Easy terms. Write Hoyt State Bank, Hoyt, Kansas, or phone 8695 Topeka.

THREE CENTRAL OKLAHOMA FARMS, 80, 120, 160, at \$25. Write for descriptions. T. W. Blackman, owner, Weleetka, Okla.

FINE TOPEKA HOME FOR SALE-I WILL sell my place in Topeka, located on the most beautiful street in the city, near limits of city, two blocks from street car, two blocks from fine school, fine old shade, park like surroundings, lot 61 1/2 by 205 feet, eight room house, modern in every detail, hardwood finish, four fine mantels and grates of oak, brick and tile, big sleeping and dining porch, both screened, barn, poultry houses, etc., etc. Fine place for farmer who wants to move to the capital city. Price \$5,500, worth more. Cash or terms. Interest only 5 per cent instead of the usual 7 per cent. No trade. Address R. W. E., care Mail and Breeze.

FARMS WANTED

WANTED-TO HEAR FROM OWNER OF good farm or unimproved land for sale. C. C. Buckingham, Houston, Texas.

I HAVE SOME CASH BUYERS FOR SALE-able farms. Will deal with owners only. Give full description, location, and cash price. James P. White, New Franklin, Mo.

WANTED-FARM FOR GRAIN RENT; 80 to 160 acres; good improvements, or owner furnish tools and stock on shares. Best reference. Want possession in March. Address R. A. Schumacher, Abbyville, Kan.

FOR SALE

APPLES \$1.25 BUSHEL BOX. THE Cope's, Topeka.

SCOTCH COLLIES. WESTERN HOME Kennels, St. John, Kan.

HEDGE POSTS FOR SALE IN CAR LOTS. W. H. Bitts, Melvern, Kan.

SCOTCH COLLIE PUPS AND ONE STUD-DOG, Box 111, Inman, Kan.

HEDGE POSTS FOR SALE IN CARLOTS. H. W. Porth, Winfield, Kan.

FOX TERRIERS-GOOD RATTERS. WESTERN Home Kennels, St. John, Kan.

FOR SALE-GASOLINE ENGINE AND grinder. J. E. Peters, Medora, Kan.

PEARL WHITE POP CORN FOR SALE, 7 cts per lb. prepaid. B. A. Detwiler, Riverside, Okla.

FOR SALE-ONE 32x56 ADVANCE SEPARATOR used four seasons. J. L. Hoerman, Bala, Kan.

DOGS-WHITE SPITZ PUPPIES, BEAUTIFUL, Special. Sunnyside Farm, Havensville, Kan.

AUTO TRUCK, THREE TON CAPACITY, in good repair, a bargain. Geo. Masterson, Clay Center, Kan.

BELGIAN HARES-RUFUS REDS, FLEMISH Giants, Golden Fawns. L. V. Carr, Garden City, Kan.

BALED ALFALFA, PRAIRIE AND BOTTOM hay, kafir corn and feterita. A. B. Hall, Emporia, Kan.

FOR SALE-SPANISH PEANUTS, WELL matured, five cents pound. Large quantities cheaper. John W. Burkes, Aline, Okla.

FOR SALE-GOOD STOCK OF HARDWARE in town of twelve hundred. Good surrounding country. Best business in town. J. H. Jarnagin, Humansville, Mo.

ALFALFA AND PRAIRIE HAY-ALFALFA hay at from \$8.50 to \$11.50 and prairie hay at \$6.50 to \$8.00 per ton our track. Delivered prices on application. The L. C. Adam Mercantile Co., Cedarvale, Kan.

GERMAN POTATO BREAD. SAME AS used by German army. By Ed Shaw, 25 years baker for Fred Harvey eating houses. Send \$1.00 for receipt. Big money selling bread to neighbors. Ed Shaw, Baker, Fred Harvey Eating House, Hutchinson, Kan.

CREAM AND POULTRY BUSINESS FOR sale, two buildings, one new and fenced in yard. Other agencies in connection. Doing fair business, no competition. Good reason for selling. Price \$200.00. Address Box 101, Bloom, Kan.

WE CAN SUPPLY YOU WITH PRAIRIE hay, can ship from three to five cars per week. Have both number one and number two. If you are needing hay come and see us. Also have a limited amount of alfalfa hay. Bradfield & Hathaway, Ope, Kan., Lyon Co.

FOR SALE OR TRADE

MODERN RESIDENCE IN HUTCHINSON to trade for farm. Percy Lill, Mt. Hope, Kan.

FOR SALE OR TRADE. ONE 20-35 AVERY tractor and 5 bottom plow. Mrs. W. B. Ward, Coldwater, Kan.

FOR TRADE-GOOD 40 A. IN TEXAS CO., Mo. Will trade for light well drill or anything worth the money. W. H. Drinkern, Beloit, Kan.

ONE \$4,000.00, ONE \$7,000.00 CLEAN GENERAL merchandise and buildings, located in small towns, doing paying business, to trade for land and livestock. Owner, J. T. Giesy, Hilltop, Kan.

FOR SALE OR TRADE-TWENTY HORSEPOWER Studebaker roadster auto, 1912 model, good condition, fully equipped, for 4500 good hedge posts. Address Studebaker Auto, care Farmers Mail and Breeze.

FOR SALE OR TRADE, QUARTER SECTION 4 miles from Lewis, Kansas, improved, one hundred acres cultivation, price \$4,000. Will take clear residence property for part. Chas. E. Sturdevant, Ensign, Kan.

CLEAR INCOME PROPERTY FOR FARM, value about \$10,000. Owner 68, Strong, Kan.

FOR SALE-AVERY 20-35 AND 5 BOTTOM self lift plow and self guide. Bought new in 1913. Best of condition, guaranteed. Will sell terms or trade for good land. Reason for selling want larger rig same make. W. L. Tipton, McPherson, Kan., R. No. 5, Box 71.

MALE HELP WANTED

GOVERNMENT FARMERS WANTED, AGE 21 to 50, Make \$125 monthly. Write, Ozment, (38 F) St. Louis.

GOVERNMENT WANTS CLERKS, \$70 month. Spring examinations everywhere. Sample questions free. Franklin Institute, Dept. R 51, Rochester, N. Y.

I CONDUCTED GOVERNMENT EXAMINATIONS-can help you secure railway mail or other government positions. Trial examination free. Ozment, (38 R) St. Louis.

SALESMEN WANTED FOR FULL LINE fruit and ornamental trees. No experience necessary. Full or part time as you prefer. Prompt pay each week. The Lawrence Nurseries, Lawrence, Kansas.

MALE HELP WANTED-LIVE YOUNG farmers or country school teachers in spare time can make \$10 to \$25 a week selling our Farm Record and Account Book. Every farmer needs one. Nothing like it. Southern Printing Co., Perry, Okla.

WANT CAPABLE MAN, INVEST \$5000.00, take charge improved irrigated alfalfa ranch, near railroad town, western Kansas; ample feed and pasture. Intend build dairy barns, silos, and buy herd milch cows. Fine proposition. K., care Mail and Breeze.

HELP WANTED

CHRISTIAN HELPERS WANTED, FARMING. Also matron and mason. Model colony. Jno. Marriage, Mullinville, Kan.

BE A DETECTIVE. EARN \$150 TO \$300 per month; travel over the world. Write Supt. Ludwig, 401 Westover Bldg., Kansas City, Mo.

WANTED - MEN - WOMEN - GOVERNMENT jobs. \$70 month. Write immediately for list of positions now obtainable. Franklin Institute, Dept. R 51, Rochester, N. Y.

INTERURBAN - MOTOR MEN - CONDUCTORS; earn \$80 monthly; experience unnecessary; qualify now; state age, details free. Electric Dept. 812, Syndicate Trust, St. Louis, Mo.

FIREMEN AND BRAKEMEN; \$100 monthly; experience unnecessary; hundreds needed by the best railroads everywhere; particulars free. 786 Railway Bureau, E. St. Louis, Ill.

THOUSANDS GOVERNMENT LIFE JOBS now obtainable. \$65 to \$150 month. Vacations with full pay. No layoffs. Short hours. Common education sufficient. "Pull" unnecessary. Thousands 1915 appointments. Write immediately for free list of positions now obtainable. Franklin Institute, Dept. R 51, Rochester, N. Y.

WANTED RESPONSIBLE REPRESENTATIVE in each county. New Combination. 12 tools in 1. Sells at sight to farmers, teamsters, contractors, etc. Weight 24 pounds. Lifts 3 tons, holists, stretches wire, pulls posts. Many other uses. Free sample to active agents. Easy work. Big profits. One agent's profit \$45.50 in one day. Another \$1000 in Dec. 1914. We start you. Write today for Big Color Plate. Quick action secures exclusive sale. Harrah Mfg. Co., Box M, Bloomfield, Ind.

MISCELLANEOUS

EARLY OHIOS 75C BUSHEL. THE COPE'S, Topeka.

MONEY TO LOAN ON KANSAS FARMS. Ella Peacock, Topeka, Kan.

BED BUG EXTERMINATOR RECIPE 25C silver. Address 300 West South St., Dwight, Ill.

BIG PRICES FOR LINCOLN PENNIES. Elegant catalog 10c. Independent Coin Brokers, 82, Olney, Illinois.

QUICK CASH FOR PROPERTY. SPECIAL terms to owners. Dept. F, Co-operative Salesman Co., Lincoln, Neb.

LEARN AUTOMOBILE BUSINESS. \$25 weekly. Teach you at home. Free booklet. National Auto School, Central Bldg., Rochester, N. Y.

WE GUARANTEE TO CURE HEAVES IN stock or refund your money. For particulars address, Baird Mfg. Co., Dept. C, Purcell, Okla.

GOOD FIVE TRAY OAT SPROUTER TO exchange for breeding pen of Leghorns, Minorcas or Campines. Carl Leonard, Cherokee, Okla.

"IMMORTALITY CERTAIN." SWEDENBORG'S "Heaven and Hell," 400 pages, 15 cents, postpaid. Pastor Landenberger, Windsor Place, St. Louis, Mo.

ADJUSTABLE NON-SAGGING GATE. HOG tight-horse high-make it for \$1.00. I send you directions for making for a quarter. Guildmoor, Wakarusa, Kansas.

\$1.00 BOX GUARANTEED TO CURE THE foundered horses in first stage forty-eight hours, or money refunded. (No hoof bound.) L. Weldlein, 721 Rhode Island St., Lawrence, Kan.

SYRUP-COOKED EXTRA THICK TO prevent summer fermentation. Made from pure Ribbon Sugar Cane. Contains all sugars. Prices: 5 gallon kegs, \$2.40; 10 gallon kegs, \$4.50; 30 gallon barrels, \$12.50; 55 gallon barrels, \$21.45. Sample 5c. Safe delivery guaranteed. Telmah's Plantation Mill, Houston, Texas.

BIG WESTERN WEEKLY SIX MONTHS 10 cents. Biggest and best general home and news weekly published in the West. Interesting and instructive departments for young and old. Special offer, six months' trial subscription-twenty-six big issues-10 cents. Address Capper's Weekly, Dept. W. A.-12, Topeka, Kan.

\$50 PAID FOR HALF DOL. 1853 NO ARROWS; \$5 for 1878 Half S. Mint. \$100 for 1894 Dime S. Mint. Many valuable coins circulating. Get posted. Send 4c. Get our Illus. Coin Circular. It may mean large profits to you. Send now. You have nothing to lose. Numismatic Bank, Dept. 85, Fort Worth, Texas.

A MILLION DOLLAR BOOK. IF WE CAN get ten thousand farmers to read the Equity Text Book, they will join the Equity Union and we will save them one million dollars per year as we are doing for our present membership. Send fourteen two cent stamps to The Equity Union, Greenville, Ill., for the book and read carefully our plan of co-operation which holds ten thousand farmers together in a business union. C. O. Drayton, Greenville, Ill.

AGENTS

WE WILL PAY YOU \$120.00 TO DIS-tribute religious literature in your community. Sixty days' work. Experience not required. Man or woman. Spare time may be used. Ziegler Co., Dept. 64, Philadelphia.

HERE'S YOUR CHANCE. GET COUNTY agency for Champion Bag Holders, just patented. Holds any size any height, anywhere. Every farmer needs one. \$50 weekly to live men. Write today. Champion Specialty Co., Majestic Bldg., Detroit, Mich.

GREATEST OPPORTUNITY FOR A GOOD man or woman in each county to make big money selling our grand new authorized book "Billy Sunday-The Man and His Message." Write for special offer. Star Publishing Co., 1128 Wabash Ave., Chicago.

\$9 DAILY AVERAGE SELLING IMPROVED Advance Pump Governors. They make the hardest working pumps work easy, windmills turn in slightest wind, pumping engines work with less than half the gas; fit all pumps; warranted 5 years; price \$5 each. Honorable men wanted to sell them everywhere. International Foundry Company, St. Paul, Minn.

For Progress in Fruit Growing

BY W. L. HOWARD

In mixing up spraying materials, some few growers still guess at the quantities of the chemicals used, but most of them weigh out the ingredients carefully and also measure the water employed. Spraying apparatus has been improved steadily year by year. Our best growers are finding out that a first-class gasoline power sprayer is capable of handling only 25 to 30 acres. Hand-spraying outfits cannot be depended upon to take care of more than 5 acres. Also, most people have learned that it is very important to maintain a high pressure in order to do a good job of spraying. A good workman can scarcely hope to maintain more than 75 to 80 pounds pressure with a hand-pump, while a gasoline power outfit ought and generally does carry from 175 to 200 pounds pressure, even when there are two or more leads of hose in operation.

In pruning, great advance has been made. We no longer consider it a good job of pruning merely to chop off the lower limbs of a tree with an ax. True, some do this kind of work still, but they are not succeeding. Our present methods of pruning have been strongly influenced by western methods of orchard management. Most growers, when planting young orchards, now train their trees radically different from what they did ten years ago. They now train them with open heads rather than with a central leader.

The open-headed tree has many advantages. It facilitates spraying, makes lower trees, and consequently easier harvesting, causes fruit to be produced on the inside as well as the outside, and by thus distributing and thinning the crop the trees are not so likely to alternate. When branches are cut off now they are sawed very closely up to the trunk and the wounds are sealed up by painting with a thick white lead and oil paint, or some other material that will not injure the bark. We know better than to use tar, since this will kill the tender bark. Creosote is equally dangerous. Cement is good. Asphalt paints are satisfactory, while grafting wax is excellent, though somewhat difficult to apply.

Gravity Wins

"Where's your little brother?" "He hurt himself." "How?"

"We were seeing who could lean out of the window the farthest, and he won."

One woman in every six in Great Britain earns her own living.

BIG BARGAINS IN REAL ESTATE

Dealers whose ads appear in this paper are thoroughly reliable and bargains worthy of consideration.

Special Notice

All advertising copy, discontinuance orders and change of copy intended for the Real Estate Department must reach this office by 10 o'clock Saturday morning, one week in advance of publication to be effective in that issue. All forms in this department of the paper close at that time and it is impossible to make any changes in the pages after they are electrotyped.

A GOOD improved 160 at \$50 per acre. Write Decker & Booth, Valley Falls, Kan.

REAL ESTATE MEN, write for special land deal. Lock Box 166, Syracuse, Kan.

ALLEN CO. FARMS at owners' prices. Write for lists. R. L. Thompson, Iola, Kan.

ALFALFA land, Sedgwick Co. Write for price list. G. R. Davis, Valley Center, Kan.

160 A. mostly wheat; 1/2 crop follows. McPherson Co. A. Monson, Lindsborg, Kan.

80 ACRES, rich soil, well located, dandy home, \$5500. Fouquet Inv. Co., Andale, Ks.

BOTTOM farms on interurban, 20 mi. Wichita. Write Harling Bros., Sedgwick, Kan.

\$2700 for fine 80, enc. \$700, or will trade for Md. e. Bowman Realty Co., Coffeyville, Ks.

NORTHEAST Kansas farm bargains. Write for list. Compton & Royer, Valley Falls, Ks.

LAND in Nemaha, Marshall, Pottawatomie Cos. \$30 and up. T.E. Rooney, Seneca, Kan.

FARMS and ranches, northeast Kansas, \$35 to \$125 acre. Geo. Loch, Marysville, Kan.

IMP. FARM Pottawatomie Co. \$35 per a. Write me. O. H. Martin, Severy, Kansas.

FREE! Illustrated booklet describing richest Co. in Kan. Hosoy Land Co., Columbus, Ks.

240 A. finest Kaw Valley bottom land, imp. Easy terms. J. M. Conlan, St. Marys, Kan.

A BARGAIN. 480 a. close in; good land, imp. Terms. J. F. Voran, Belpre, Kan.

FOR SALE. Land in Seward, Stevens, Grant and Haskell counties. Cash or easy payments. C. W. Elsassner, Liberal, Kan.

160 A. FINE LAND, 1 1/2 ml. town, 8 room house, large barn; 95 a. wheat. Price \$65 per a. Brandt Land Co., Salina, Kansas.

IT'S \$6400. Impr. 160 a. bottom, 5 1/2 ml. Mound Valley. Some alfalfa, 120 cult. Terms. J. P. Donahue, Mound Valley, Kan.

FREE LISTS of Ness County grain, stock and alfalfa land. Fine land at \$10 to \$15 per a. Easy terms. West, Ransom, Kan.

COFFEY COUNTY, EASTERN KANSAS. Good alfalfa, corn, wheat and tame grass lands. List free. Lane & Kent, Burlington, Ks.

TWO Lyon County bargains, best of alfalfa land; easy terms. Possession March 1st. Write for description. Box 104, Allen, Kan.

MUST sell three well improved Kansas farms before March 1st. Get descriptions, locations, prices. Melvin Smeltz, Durham, Kan.

960 ACRE ALFALFA FARM for sale; new house and barn, 80 a. alfalfa, creek of living water; 4 mi. to railroad town. Price \$15. A. W. Buxton Utica, Kan.

268 A. farm; 65 a. n alfalfa and clover, 30 a. prairie meadow, bal. pasture; good 6 room house; barn 50x50 granary. Price \$35 a. Terms. Write "Sevell," Garnett, Kan.

FOR BARGAINS in improved farms in Catholic settlements. Exchanges made. Write Frank Kratzberg, Jr., Greeley, Kansas.

160 ACRES MEADOW LAND FOR SALE. 2 miles railroad pays \$1500 a year on track. Price \$30 an acre.

A. A. Murray Westmoreland, Kan.

GOOD, smooth wheat and alfalfa lands at \$15 to \$25 per acre. Write for price list, county map and literature. Floyd & Floyd, Ness City, Kansas.

FOR SALE. Ideal home in Wichita. Are you looking for a home? This will suit you, so will the terms. Owner has left state and wants to dispose of this place. Address Box 76, Dodge City, Kansas.

3120 A. IDEAL RANCH—Adjacent to Ness Co., Kan. In compact body; 90% tillable; 1,600 a. bottom alfalfa land; rich soil; 600 a. in cultivation. Two sets imp. Can lease 3,000 a. joining. Abundance water. Price \$30,000, terms. For particulars address C. F. Edwards, Ness City, Kansas.

FARM BARGAIN—400 acre ranch, 2 1/2 miles from Lucas, Kansas. 100 acres fine bottom, 40 acres alfalfa. Plenty of living water, piped to all improvements. A bargain, for quick sale, at \$16,500.00. For further information, write Frank A. Vopat, Lucas, Kansas.

EXECUTOR'S SALE, REAL ESTATE. To settle estate will sell suburban residence property in Paola, Kan., with 13 1/2 acres blue grass pasture adjoining. Price \$6500. Easy terms. Write for description. Darwin W. Ahrens, Paola, Kan.

SEDGWICK CO. FARM BARGAINS. 160 a. wheat farm, lays smooth, good land, 12 miles from Wichita. \$45 per a. Buy this, raise \$1.50 wheat.

80 a. farm, 3 miles from Wichita, well improved, good land, \$80 per a.

240 a. farm, near Wichita, good alfalfa land, 40 a. in alfalfa, good house, large barn, 9 silos. \$75 per a.

1,550 a. ranch, improved, well fenced and watered, 4 miles from Eldorado, \$27 per acre. H. E. OSBURN, 227 E. Douglas Ave. Wichita, Kansas.

80 A. WELL IMPROVED, fine location, 3 1/4 ml. Ottawa. Natural gas for fuel. Will sell with \$2500 down.

160 a. 2 ml. Princeton, Kan., nicely improved. Close to high school. Price \$9000. Easy terms. Possession at once if wanted.

120 a. 3 1/2 ml. Ottawa, well improved. Will be sold at bargain.

These are special bargains and are priced worth the money. Owners do not want to rent them. Write for full description or come at once.

Mansfield Land Co., Ottawa, Kansas.

KIOWA COUNTY

Land bargains. Write for descriptions. Several of my own farms; can make terms to suit. C. W. Phillips, Greensburg, Kan.

80 Acres Only \$750

Only 4 ml. Wichita; good smooth black loam soil; plenty bldgs.; possession; only \$6000; only \$750 cash, time on bal.

R. M. Mills, Schweiter Bldg., Wichita, Kan.

DON'T BE A WORM

You might get caught—be the early bird and come to Garden City. I want to show you good land in a practically undeveloped country where opportunities abound. If you can't buy, I'll trade—what have you?

R. B. Wadsworth, Garden City, Kansas.

Chase County Farm

160 acres 3 miles from Saffordville and 12 miles from Emporia. 125 acres fine land under cultivation, balance meadow, pasture and some timber. 25 acres in alfalfa. 200 on silo, 7 room house, stable, etc. Daily mail, telephone. \$11,000.00. Terms on half. No. trade.

J. E. Beecook & Son, Cottonwood Falls, Kan.

Wheat Land Bargains

320 acres 1 1/2 miles from station and elevator, level, large house, fair barn and other improvements. 220 acres growing wheat, all goes, same land last year produced over \$8,000 worth of wheat. Price \$11,200, terms.

Also 320 acres 7 miles from good town, all smooth, 210 acres growing wheat, 1/2 goes delivered to elevator, small improvements, price \$6400, good terms. Address:

J. A. Denslow, Meade, Kansas.

15,000 Acre Ranch

In the best wheat, alfalfa and cattle country in S. W. Kansas. Fenced and cross fenced, everlasting water, on main line R. I. R. R. Station and elevators located on land. This is one of the finest and best equipped propositions in the country. Offered for the first time, at \$7.50 per acre less than surrounding land is selling for.

THEODOR C. PELTZER INV. CO., 534 Scarritt Bldg. Kansas City, Mo.

Buy From Owner

160 a. wheat and alfalfa land near Wright, Kan. 115 wheat, all goes. 12 alfalfa, bal. grass. \$5000. 160 a. near Bellefont, Kan., improved; 120 wheat, 1/2 goes. Bal. pasture. \$6500. 1000 acres stock farm near Macksville, 200 farm land, bal. rough pasture. Improved. \$14 per acre. 400 a. near Spearville, Kan. Fine soil, imp. 180 wheat, 1/2 goes. 100 grass, 80 for spring crop, 40 good alfalfa. Possession at once. 100 tons baled alfalfa on farm for sale now. \$40.00 an acre. Must have 1/2 or more cash, 5 to 10 years on balance on any of these farms. Call or address:

J. F. Harris, 15-6th East, Hutchinson, Kan.

FOR SALE OR EXCHANGE

SEND US YOUR TRADES. We match 'em. Southwest Land Co., Fairplay, Mo.

7 CHOICE imp. farms encumbered; want clear stuff for equity. Tate, Howard, Kan.

80 OR 160 imp. for mdse. 40 for cash, small payment. Robbins, Thayer, Kan.

IMPROVED farms and ranches. City property for ex. Fugate Land Co., Lawrence, Kan.

150 A. 1/2 ml. town; good list trades. Southeast Land Exc., R. B. Adams, Thayer, Kan.

TO TRADE 160 a. bottom land, all tillable, imp. Youngs Realty Co., Howard, Kan.

CHOICE Nemaha Co. land. Catholic settlement. Sale or ex. J. B. Wood, Seneca, Kan.

BIGHAM & OCHILTREE sell and trade best corn, alfalfa, wheat land in U. S. Write for list. 116-N. 8th, St. Joseph, Mo.

\$2500 STOCK of shoes, want clear rental or land. 140 acres imp. 50 a. wheat, want small farm. W. C. Bryant, Elk City, Kan.

20 BEAUTIFUL residence lots in Beebe, Ark., to trade for improved farm lots, worth \$2500. C. C. Chumley, Beebe, Ark.

CITY AND TOWN PROPERTY TAKEN as part pay on GOOD FARMS. What have you? Address The Allen County Investment Co., Iola, Kan.

CLEAR INCOME, for Pawnee or Hodgeman Co. land. Dwelling and business building. In Little River, Kan., value \$10,500. Bremyer, McPherson, Kan.

FINE STOCK AND DAIRY FARM. 280 acres in Elk County, Kan. Well located, fine improvements, up-to-date, a wonderful bargain. Owner wants town property or smaller farm. Hunter Bros., Independence, Kan.

HARPER COUNTY, Kansas.

First class land, \$30 to \$45 per acre. Write us now. J. E. Couch Land Co., Anthony, Kansas.

MISSOURI

BARGAINS in farms in high school district. S. S. Grier & Co., Stafford, Mo.

WRITE Bedell & Co., Springfield, Mo., for prices on grain, stock and dairy farms.

STOP! Listen! 120 acre impr. farm \$900. Other farms. McGrath, Mountain View, Mo.

88 A. close town; spring, house, barn; 20 a. cult. \$650. Other bargains. McQuary, Seligman, Mo.

40 ACRES 4 miles Lebanon, 30 a. apple orchard; house, 6 rooms. Stable, etc. Price \$1600. Stillwell Land Co., Lebanon, Mo.

FRUIT and timber, clover and bluegrass land, \$10 to \$25. Write for lists. South Missouri Land Co., Mountain View, Mo.

700 A. well impr., 640 high state cult., \$30.00. Write for description. Ozark Realty Co., 424 College St., Springfield, Mo.

WHITE RIVER CLUB sites on lake. Farms, ranches, city property; mineral, fruit, poultry land. White River Realty, Branson, Mo.

POOR MAN'S CHANCE. \$5 down, \$5 monthly buys 40 acres good land and timber; near town. Healthy location; Southern Missouri. Price \$200. Box 36, Excelsior Springs, Mo.

SNAP. 114 acres, 7 miles from railroad, 3 roomed house; barn; some bottom, all fenced. Price \$2500; easy terms. King & Harris, Flemington, Polk Co., Mo.

ATTENTION, FARMERS. If you want a home in a mild, healthy climate with pure water and productive soil and where land can be bought at a reasonable price write Frank M. Hammel, Marshfield, Mo.

184 ACRE FARM, 1 1/2 ml. southeast of Cole Camp, Mo., on rock road, highly improved, 10 acres orchard, 40 acres growing wheat. Must sell before March 1st. Price \$35.00 per acre. Easy terms.

J. H. Frederick, Cole Camp, Mo.

120 ACRE FARM, high level, 75 a. clear; rest good timber; 100 fenced, 60 a. winter oats and wheat; orchard; 5 room house; good different buildings; finest location, 1/2 mile town, R.R. switch, joining farm. Owner too old to work. Take \$24 per acre; 1/2 cash, Rest to suit. F. Gram, Naylor, Mo.

COLORADO

TO SETTLERS ONLY—320 acres for \$200. Rich corn, alfalfa and wheat land, no sand. J. A. Tracy, Ft. Morgan, Colo.

CHOICE farm lands, Elbert County, near Limon, \$8. Direct from owner. MUST SELL. T. H. Hagen, Board of Trade, Duluth, Minn.

FOR SALE, desert and homestead entries, improved, under ditch; near R.R. \$10 per a. In Logan Co., Colo. Wm. Tew, Sterling, Colo.

FOR BEST 320 ACRE HOMESTEADS with shallow water, see or write Warren Musgrove & Co., Lamar, Colo.

ELBERT COUNTY, COLORADO, the "rain-belt." Beautiful, healthful, prosperous country. Alfalfa, corn, and cereals grown profitably without irrigation. Best dairy region in West. Write us for bargains. \$10 up. Konkol & Long, Elizabeth, Colo.

OKLAHOMA.

FOR LISTS and prices N. E. Okla. farms, write Elliott & Mabrey, Fairland, Okla.

F. M. TARLTON & CO. will mail you list of farms in northeast Oklahoma. Write them. Vinita, Oklahoma.

ALFALFA AND WHEAT lands in Oklahoma our specialty. Three big bargains to offer now. Write for our list. J. M. Gillette, R. 208 Gillette Bldg., Tulsa, Okla.

120 A., 65 a. in cultivation, 100 tillable, 2 ml. from R.R. Station, this county, \$15 per a. Good land. Guarantee \$1000 loan. Price \$1800. Southern Realty Company, McAlester, Oklahoma.

EASTERN OKLAHOMA lands are now selling fast. If you are interested in this Productive Country and want to know more about it write The Craig-Mayes Realty Company, Big Cabin, Oklahoma.

TWO HUNDRED ACRES, one hundred in cultivation, bal. pasture; four room house, small barn, granaries, fruit, 1/4 mile to school, 3 miles to railroad town. Phone and route. Geo. Morand, Kendrick, Okla.

OKLAHOMA LAND FOR SALE

Good land in Northeastern Oklahoma, which was part of the old Indian Territory, price from \$20 to \$35 per acre. Write for price list and literature. Agents wanted. W. C. Wood, Nowata, Okla.

Northeast Oklahoma Land Bargain

Here is 240 acres of good smooth land, all in cultivation except 20 acres; soil of dark sandy loam, very productive and easily tilled; 200 acres in wheat and oats this year.

Only 2 1/2 miles from one good town and 3 1/4 miles from another, both on main line of R. R., and good trading and shipping points, with good school and church facilities. All in solid body and in oil and gas belt. This is an unusual opportunity. Only \$25. a.

H. H. MAKEMSON, Claremore, Okla.

ARKANSAS

J. C. PINKERTON, the land man, Green Forest, Ark. Write for information.

ARKANSAS farms, all sizes. Healthy. Prices right. J. C. Mitchell, Fayetteville, Ark.

WRITE Dowell Land Company for bargains in Arkansas lands. Walnut Ridge, Ark.

LITTLE RIVER valley lands rich and cheap. On railroad. Robt. Sessions, Winthrop, Ark.

\$375 BUXS improved 80 a. fruit and grain farm close in. Leslie Land Co., Leslie, Ark.

WRITE YOUR WANTS for Arkansas lands. W. B. Lane, Hope, Ark.

SPRINGDALE—Best part of Ozarks. Free lists. Fredricks, Springdale, Ark.

240 A. 5 ml. of Berryville, highly improved; \$30 a.; farm list free. Dept. B, Eslinger Agency, Berryville, Ark.

WRITE for land list and tell us just what you want to buy or trade. Horton & Company, Hope, Arkansas.

IF INTERESTED in N. E. ARKANSAS farm and timber lands, write for list. F. M. Messer, Walnut Ridge, Ark.

25,000 ACRES fine farm land, cheap. Easy payments, northern colony, free map. (J) Tom Blodgett Land Co., Little Rock, Ark.

160 ACRES smooth prairie farm, improved, nicely located on mail and phone line. Price, \$45 per acre. Gentry Realty Co., Gentry, Benton Co., Arkansas.

FOR SALE OR RENT: Two improved rice farms 160 acres each, adjoining; well drained, equipped with engine, pumps, wells and buildings. H. M. Cooley, Jonesboro, Ark.

FOR SALE. 280 acres RICH BLACK LAND; 140 acres cultivation, 25 acres alfalfa, complete stock, wagons, gin, etc. \$40.00, good terms. Porterfield Co., Hope, Ark.

FOR SALE, twenty 40 acre tracts, improved and unimproved, located in the famous Judsonia strawberry district, Judsonia, Ark. Write for full particulars. J. G. Howard, Little Rock, Ark.

345 ACRES; 75 acres fenced and 30 in cultivation; two sets of improvements and located in the heart of stock raising district; price \$10 per a. Write for list of bargains. Arkansas Investment Co., Stuttgart, Ark.

IT IS OUR BUSINESS to tell you about Siloam Springs, Benton Co., Ark. Sometimes we make fair exchanges, but have some big bargains for CASH. We want you to inquire what we have down here. Farmer & Perry, Siloam Springs, Ark.

CALIFORNIA

THE SAN FRANCISCO FAIR is bringing thousands of people to the Sacramento Valley. Do not miss seeing our magnificent fruit tracts on the famous Bidwell Ranch. Here is an opportunity to invest in prunes, peaches and almonds, grown on the finest soil, a garden loam. Our land is located within a mile of a city of 18,000 people. Write for literature. Bidwell Orchards, Inc., Chico, California.

TEXAS

FARMS, ranches in Texas, Okla., Ark., Mo., Kansas direct from owners. To buy, sell or trade. Land Buyers Guide, McKinney, Tex.

YOU CAN OWN A FARM With the rent you pay. Best land in famous corn and hog belt of Texas. Sold on rental terms. Crops the year round. T. Kingston, Harlingen, Texas.

OWN YOUR FARM DON'T RENT

We have for sale two hundred thousand acres of good agricultural land located on the south plains in the Panhandle of Texas, price \$17.50 to \$22.00 per acre, you select your location, also your improvements, we build them for you adding cost of improvements to price of land, you pay \$2.00 per acre cash, \$1.75 per acre annually with 4% interest. Write us for further information. H. J. Newman & Co., Miami, Texas.

FLORIDA

AGENTS WANTED. Agents wanted in every community to sell Florida fruit and truck farms in the best fruit and truck farming section of Florida. Easy payments. Write for particulars. PEACE RIVER GROVES CO., 5th Floor, State Bank Bldg., Omaha, Neb.

A FORTUNE made from a small investment. A small investment today in the Peace River District, Florida, while the land is cheap will bring wealth and independence. Rich soil. Excellent climate. Plenty rainfall. Good schools and churches. Situated in the best citrus fruit and truck farming section of Florida. Excursions first and third Tuesdays. Write today for circulars and information. PEACE RIVER GROVES COMPANY, 5th Floor, State Bank Bldg., Omaha, Neb.

WYOMING

Improved Farms For Sale

We own and will sell at bargain prices, possession this spring, if wanted, terms 10 annual payments, on both principal and interest on crop-payment plan, 160 acre level improved farm 8 miles R. R. town; also 320 acres improved adjoining R. R. town. Good schools, fertile soil, pure water, no hot winds, no irrigation. Banner winter wheat section of the West. Write at once for detailed particulars and descriptive literature. FEDERAL LAND CO. (Owners), Dept. 1, Cheyenne, Wyo.

For Sale By Owner

My thirty-five thousand dollar stock of general hardware, furniture, implements and buildings, situated in the new County Seat town of Torrington, Wyoming, in the North Platte valley, doing a Fifty Thousand and business, per annum. Or my Mountain Stock Ranch, Laramie Co., Colo., of 2340 acres, fine running water in all parts of ranch. 150 acres irrigated under private ditch. 150 tons of native and timothy hay. Good improvements and all fenced. Price \$10 per acre. W. O. Eaton, Torrington, Wyoming.

WISCONSIN

30,000 ACRES cut-over lands; good soil; plenty rain; prices right and easy terms to settlers. Write us. Brown Brothers Lumber Co., Rhinelander, Wis.

FARMERS, go up into Wisconsin. Rich, fertile valleys; hardwood timber land. \$25 to \$30 an acre. Easy terms. Middle West's richest dairy region. Send for free map and folder. Faust Land Co., Box 101, Oenrath, Wis.

Upper Wisconsin Best dairy and general crop state in the Union; settlers wanted; lands for sale at low prices on easy terms; ask for booklet on Wisconsin Central land grant; state acres wanted. If interested in fruit lands, ask for booklet on apple orchards in Wisconsin. Address, Land Department, See Line Railway, Minneapolis, Minnesota.

MINNESOTA

SETTLERS WANTED for clover lands in central Minnesota. Corn successfully raised. Write Asher Murray, Wadena, Minn.

LISTEN! Chances for big profit. Stock, dairy, potato land. \$4 to \$20 per acre. Terms. Ebert-Walker Co., Duluth, Minn.

CORN AND CLOVER FARMS near Twin City markets. No drouth. Ask for descriptions. \$25 to \$75 per acre. Carter Land Co., Near Union Depot, St. Paul, Minn.

FINANCING FARM PURCHASERS on choice Minnesota farm lands, crop payments. Ask for particulars. W. W. Hurd, Commerce Bldg., St. Paul, Minn.

NEW YORK

120 ACRES \$2100 Cows, Machinery and Tools

Aged owner unable to care for this good New York State farm longer insists upon immediate sale and throws in, to quick buyer, 4 cows, lot of new farming machinery, milk wagon and all tools. Splendid farming section, beautiful level, machine-worked fields, all staple crops, cuts 30 to 50 tons hay, spring-watered pasture for 15 cows, 18 acres wood, 60 apple, pear, plum and cherry trees, 10-room dwelling, cellar, telephone, good condition, 42-ft. barn, pleasant surroundings, all conveniences near, mail delivered. Price for all if taken now only \$2100, easy terms. Full details, location, etc., page 3, "Strout's Special Bargain Sheet," copy free. E. A. Strout Farm Agency, Station 3125, University Block, Syracuse, N. Y.

Brighter Prospects Ahead

Cattle and Hog Prices Will Improve Before Many Weeks

BY C. W. METSKER

DEMAND for livestock in the West is far more satisfactory than east of the Mississippi river. Hogs showed a margin over Eastern markets, and cattle prices at Missouri river markets made an important advance last week. Far Eastern demand has been turned to river markets, and demand in Chicago and St. Louis is lessened. Cattle prices in all markets are too low. This is evident when you consider the period of meager supply that is sure to follow the heavy selling of fat cattle of the last four months.

One of the large packing companies has instructed its agents to place no bids on long time contracts for meats of any sort. Indications are, they believe, that meats will sell higher than ever before, in a few months. Several large banks took a large amount of cattle paper in the western area last week, but refused loans in the eastern district.

Don't Over Estimate Cattle Values.

Cattle are selling at \$7 to \$7.75, and that includes a class that shows considerable finish. Repeated cases have occurred at the various markets in the last 10 days in which shippers thought they were being robbed, though the cattle sold in line with the general market. A strictly prime steer is one that shows high finish and will command \$8 or more, but choice, thickfleshed steers have sold under \$7.50. One bunch of 1,450-pound steers fed since last November, sold for \$7.35, and as thin cattle they cost the feeder \$7.50 a hundred pounds. It is difficult to get feeders' idea down to the level of the market, largely because they have been used to landing cattle at \$8 and better. It is more pleasant to under estimate than to over-estimate the price cattle will bring.

Spring Movement of Cattle.

March is perhaps the most vital period of the year for the section west of the Missouri river. During that month a large part of the sales of these cattle are made with the view of distributing them to the pastures of Kansas and Oklahoma. Though no line on the big trade has been conjectured, sales already made indicate high prices, with pasture rates about the same as last year. It is also stated that because of more moisture this winter the grass is in far better condition now than a year ago. Many cattle will go into Oklahoma in March, and the movement into Kansas will be in April. Early or late seasons will modify both movements. The scarcity of aged cattle or the class that fattens on one season's grass will place 3 and 4-year-old steers at a premium.

More Beef, Fewer Feeders.

The five Western markets have received 835,000 cattle this year, a decrease of about 20,000 compared with the same period in 1914. The entire decrease has been in thin cattle, and the supply for slaughter has been larger. Omaha, St. Joseph and Kansas City are the only markets that have been able to ship any stock, feeding, breeding, or dairy cattle back to country points this year.

February Hog Prices Low.

The hog market last week held at \$6.40 to \$6.85, and while the extreme low point was under the preceding week, packer's droves were about the same and in some cases shippers paid higher prices in the West. The February market will make the lowest since 1912 when the range in the second month in that year was \$5.75 to \$6.37. In February, 1913, it was \$7.35 to \$8.45, and in 1914, \$7.25 to \$8.70. In each March for the last 15 years, except 1911, hog prices have ruled decidedly higher than in the preceding month. On that basis it is fair to expect a March hog range of \$7 to \$7.50, or about 50 to 75 cents higher than the level of prices this month. Heavy receipts will continue for some time, but it is the heel end of the big movement, and packers will be more eager for supplies. Both quality and weight of the offerings is running high. Practically no pigs or sick hogs are coming. The bulk of the hogs from the extreme northern states has been marketed.

NEW MEXICO

IRRIGATED FARMS and ranches for sale or trade. Most healthful and mild climate. Plenty of pure water. "No trouble to answer questions." Braley & Ball, Portales, New Mexico.

WASHINGTON

HOMESTEADS. Big Indian Reservation To Open. 750,000 acres for settlement; fruit, timber, farm lands; send 25c with this ad to Wenatchee, (Wash.) Daily World, Department 12, for reliable data about this great region.

MONTANA

FAMOUS JUDITH BASIN, MONTANA. Wonderful grain and stock country, rainfall unfailing, mild winters, delightful summers, healthful climate, crop failures unknown, extra fine stock ranches, natural alfalfa and timothy land, greatest non-irrigated grain growing section in United States, holds on winter wheat and barley. Write for literature. J. W. Studebaker, State Agent, McPherson, Kansas.

and many believe that Illinois and Iowa have comparatively few fat hogs.

Sheep Getting Scarce.

Fat sheep are beginning to get scarce east of the Mississippi river and trade is moving supplies from the West. Reports were that killers had bought direct from feeders for March delivery at above present quotations. Chicago has empty feed lots in her trade territory and until Southern spring lambs begin to move, much of the mutton supply of the country will come from west of the Missouri river. Sheep prices made a higher average this month than either cattle or hogs, and if pork or beef comes in for an advance that will increase demand for mutton.

The Movement of Livestock.

The following table shows receipts of cattle, hogs and sheep at the five western markets last week, the previous week and a year ago;

Table with columns: Market, Cattle, Hogs, Sheep. Rows: Kansas City, Chicago, Omaha, St. Louis, St. Joseph.

The following table shows the receipts of cattle, hogs and sheep in Kansas City thus far this year and the same period in 1914:

Table with columns: Year, Cattle, Hogs, Sheep. Rows: 1915, 1914, Inc., Dec.

No Settled Position For Grain.

Grain prices continue a wide movement, being unable to reach a new high level, but subjected to increased demand when prices recede. The government states that the 1914 wheat crop will last until the crop harvest of 1915, if daily exports average about 1 million bushels, or the indicated outgo at the present time. Grain men contend that the supply will be exhausted. They estimate that to allow for normal reserve, over estimation of the 1914 crop, and waste of various sorts, there only remains 90 million bushels available for export between now and July 1, or a period of 120 days.

While wheat probably will be near exhaustion by harvest, corn promises to be in large supply, though prices will maintain a relative position with wheat. This past week cash prices ruled 3 to 4 cents lower.

Hay Prices Lower.

Prices for prairie hay were quoted down \$1 a ton and alfalfa off 50 cents a ton. This is the first setback that has occurred in prices this year, in fact quotations have been advanced slowly since last November. Continued heavy receipts, and a narrow demand caused the setback. The market is weak at the decline.

Hay Quotations.

Table with columns: Hay Type, Price. Rows: Prairie, choice, No. 1, No. 2, No. 3, Alfalfa, choice, No. 1, No. 2, No. 3, Timothy, No. 1, No. 2, Clover, choice, No. 1, No. 2, Clover mixed, choice, No. 1, No. 2, Straw.

Feed and Seed Quotations.

Table with columns: Feed/Seed Type, Price. Rows: Feed-Kafir, milo maize, corn chop, barley, rye, flax seed, cane seed, millet.

Butter, Eggs and Poultry.

Kansas City, Mo., Feb. 22.—Quotations on 'change follow: Eggs—Extras, new white wood cases included, 22c a dozen; firsts, 20c; seconds, 17c. Butter—Creamery, extra, 29c a pound; firsts, 27c; seconds, 25c; packing stock, 17c. Live Poultry—Springs, 2 to 3 pounds, 16c; hens, No. 1, 12 1/2c; No. 2, 10c; young roosters, 10c; old, 9c; turkeys, hens, 14c; young toms, 13 1/2c; toms, 13c; ducks, 14c; geese, 10c.

Mare May Outgrow Injury

We have a young mare which was stifled last September. She will be 3 years old this spring. I called a veterinarian when she was hurt and he put a blister on the stifle. She seemed all right in a week and we turned her out. She runs in the pasture during the day and is tied in the barn at night. She is lame every few days when I turn her out of the barn in the morning. She gets all right after she exercises a little. Will she outgrow this trouble? J. E. W.

Pawnee County, Nebraska. The ligaments of the stifle probably will become shorter and hold the stifle in position permanently as the colt grows older.

If it does not do so in a year or two I suggest that you have the animal operated on by a competent, graduate veterinarian. The operation involves a division of the internal ligaments of the stifle. This is a very delicate operation and should be performed only by a veterinarian who is thoroughly competent. Dr. R. R. Dykstra, Kansas State Agricultural College.

The Lawmakers

(Continued from Page 6.)

establish funds for hail and storm indemnity, to be used by farmers in insuring their crops.

To Aid in Kansas Farming.

Two bills carrying a total of \$10,000 to carry out the work of the state board of agriculture have been recommended for passage. One provides \$5,000 for compiling the sixth decennial census, which will be taken in March of this year, and the other carries \$5,000 to buy or make maps for use in the board's reports.

Another School Book Bill.

A double barreled school-book bill was introduced into the house by Hendricks of Rawlins. The first provision of the bill allows the publication and use of supplemental books in the public schools. The second provision increases the price to be charged by retail dealers for state text-books 5 per cent.

Child Hygiene Was Popular.

The child hygiene bureau bill went through the house in third reading like a Ford climbing a hill, only two votes being cast against it. Speaker Stone promised on the floor of the house last week that an appropriation would be made to allow the state board of health to carry on the work of the "baby saving department."

The Jewett bill providing for a commissioner to keep state and county officials posted on the liquor licenses issued from the office of the federal internal revenue inspector's office at Leavenworth met the fate of all the other bills aimed at the liquor "industry"—it was aimed by a large majority, 74 to 28.

Another Veterinary Law.

E. C. Stacey of Cleveland, Ohio, representative of a company manufacturing veterinary remedies, is in Kansas interesting stock raisers and retail merchants in Representative Brown's bill, No. 802. This bill has for its object the repealing of a law enacted two years ago compelling manufacturers of veterinary remedies and other preparations, designed for any animal except man, to give on the label a list of ingredients and the percentage of each used.

A Penitentiary Farm.

Senator Vinton Stillings has introduced a bill appropriating \$24,000 for the purchase of 800 acres on Stiger's island, in the Missouri river at Lansing, for the penitentiary farm.

For Better Railroad Crossings.

Railroads in Kansas will have to maintain railroad crossings on a level with the track for 10 feet each side of the track and maintain also an approach with a grade of not more than 7 per cent, if the senate approves the bill passed by the house.

Fire Exits For Stables.

Kincaid's measure to force the installation of fire exits in stables, after being once slaughtered in committee in the early days of the session, emerged safely from the livestock committee, with slight amendments.

Concerning Equal Property Rights.

The Waggener equal property rights bill has been recommended out of committee and now is on the senate calendar. The bill, No. 625, decrees that the property of every married man and married woman in Kansas, whether acquired before or after marriage, shall be considered as jointly owned by said man and woman, unless a contract to the contrary be executed prior to or at the time of their marriage.

No Change Desired

As the train neared the city the colored porter approached the jovial-faced gentleman, saying, with a smile: "Shall Ah brush yo' off, sah?" "No," he replied, "I prefer to get off in the usual manner."—Princeton Tiger.

DUROC-JERSEYS.

DUROC GILTS bred and a fine lot of fall pigs at farmers prices. A. G. DORR, OSAGE CITY, KANSAS

DUROC JERSEY BRED GILTS Bred for March and April farrow to Van's Crimson Wonder and Dora's Climax. Also a few September male pigs. Prices reasonable. GARRETT BROS., Steele City, Nebr.

Walnut Grove Durocs Bred gilts, boars, one herd boar; also booking orders for February and March pigs at weaning time at \$10 a piece or trio not related for \$25.00. R. C. WATSON, ALTOONA, KANS.

RICE COUNTY HERD DUROCS Spring and summer boars. 30 fine gilts and sows bred for March and April farrow. Good Enuff, Colonel, Crimson Wonder, Ohio Chief blood lines. Prices right, herd immune. Write today for prices and descriptions. G. M. SHEPHERD, LYONS, KANSAS

WOODDELL'S DUROCS Herd headed by Rex E. Nuff by Good E Nuff Again King and brother to Otey's Dream. Spring boars and gilts priced reasonable. Satisfaction guaranteed. G. B. WOODDELL, WINFIELD, KANSAS

BONNIE VIEW STOCK FARM For Sale: Tried sows and bred gilts by Tat-A-Walla and Jayhawk Crimson Wonder. Sows bred to Tat-A-Walla and gilts bred to A. Critic. SEARLE & COTTLE, BERRYTON, KANSAS

Immuned Boars and Sows Twenty immuned Duroc-Jersey boars ready for service, \$25 to \$35 and up. 100 immuned sows bred to Buddy K 4th, Wide Awake Crema and others, \$30 to \$50 and up. Ready for immediate shipment. Geo. W. Schwab, Clay Center, Nebr.

Hirschler's Durocs Herd headed by Graduate King, by Graduate Col. Gilts by Tatarax Chief and E. L.'s Col. bred to him; also a fine lot of spring boars, priced for quick sale. Write today. E. L. HIRSCHLER, HALSTEAD, KAN.

Uneda Herd Unexcelled Durocs March boars of excellent breeding, color and quality. Weight, 175 to 200 pounds and not fat. \$20, \$25 and \$30. Choice Sept. boars \$10 to \$15. The Duroc Bulletin one year with each boar. Tyson Bros., McAllister, Kas.

IMMUNE DUROC SOWS For Sale Duroc sows guaranteed in farrow and cholera immune. Shipped to you before you pay. F. C. CROCKER, FILEY, NEBR.

BANCROFT'S IMMUNE DUROCS We hold no public sales; nothing but the best offered as breeding stock. Choice spring gilts, bred for spring farrow. Customers in 13 states, satisfied. Describe what you want. We have it. D. O. BANCROFT, OSBORNE, KANSAS

Elm Creek Herd Durocs A few extra good Duroc Jersey gilts, bred for March farrow. Also one good yearling boar. J. O. Hunt, Marysville, Kansas.

Big Bred Sow SALE February 27 All boars fit to ship sold. Will sell a few bred gilts at private sale. Write for prices and my big bred sow sale catalog. Everything immune. E. N. FARNHAM, HOPE, KANSAS (Hillcrest Farm Durocs)

Maplewood Farm Durocs We offer 40 bred sows at attractive prices. Big, well grown spring gilts. Best of breeding. Address, MOTT & SEABORN, HERINGTON, KANSAS

Duroc-Jersey Bred Sows A few choice fall and spring gilts bred to our herd boars for sale. Also a few choice May boars. Howell Bros., Herkimer, Kan.

GLEASON'S VETERINARY HAND-BOOK SYSTEM OF HORSE TRAINING Here is a book that should be in the hands of every horse owner! Admittedly the greatest book on the subject ever written and practically worth its weight in gold to horse owners and livestock breeders. 520 large pages profusely illustrated. Part 1 deals in plain language with the theory and practice of Veterinary Science - Diseases of Horses, Cattle, Sheep, Poultry, Swine and Dogs - with tested and proved remedies. Part 2 contains Prof. Gleason's famous System of Horse Breaking, Training and Taming. Gleason's marvelous skill in training and treating horses is known throughout the entire world and he is considered the world's greatest authority in this field. Our Great Offer! By a special arrangement we are able for a limited time to offer "Gleason's Horse Book" absolutely free - postage prepaid - to all who send \$1.00 to pay for a one-year - new or renewal - subscription to our big farm weekly. Send your name and \$1.00 at once. Mail and Breeze, Dept. H-10, Topeka, Kansas

WHAT BREEDERS ARE DOING

FRANK HOWARD, Manager Livestock Department. FIELDMEN.

A. B. Hunter, S. W. Kansas and West Okla., 614 So. Water St., Wichita, Kan. John W. Johnson, N. Kansas and S. Nebraska, 820 Lincoln St., Topeka, Kan. Ed R. Dorsey, North Missouri, Iowa and Illinois, Cameron, Mo. Jesse R. Johnson, Nebraska, 1937 South 16th St., Lincoln, Neb. C. H. Hay, S. E. Kan., So. Mo. and E. Okla., 4204 Windsor Ave., Kansas City, Mo.

PUREBRED STOCK SALES.

Claim dates for public sales will be published free when such sales are to be advertised in the Farmers Mail and Breeze. Otherwise they will be charged for at regular rates.

Poland China Hogs.

Mar. 1—Groninger & Sons, Bendena, Kan. Mar. 2—H. B. Walter, Effingham, Kan. Mar. 3—H. C. Graner, Lancaster, Kan. Mar. 3—Gilbert Johnson, Osceola, Neb. Mar. 4—Olivier & Sons, Danville, Kan.

Duroc-Jersey Hogs.

March 2—Chas. W. Finley, Otterville, Mo. March 5—Samuelson Bros., Blaine, Kan. March 17—Mott & Seaborn, Herington, Kan.

Shorthorn Cattle.

March 11-12—Nebraska Shorthorn breeders' sale, Grand Island, Neb. J. C. Price, Lincoln, Neb., Mgr. March 17—F. A. Egger, Roca, Neb. March 18—Rudolph Firme, Hastings, Neb., and A. A. Stone, Hanson, Neb.; sale at Hastings. Apr. 7—D. E. Reber, Morrill, Kan.

Jersey Cattle.

Mar. 17—Dr. J. H. Lomax, Leona, Kan.; B. C. Settles, Sales Mgr., Palmyra, Mo. Mar. 31—E. Wiley Caldwell, Fulton, Mo.; B. C. Settles, Sales Mgr., Palmyra, Mo.

Percherons.

Mar. 2—Lee Bros., Harveyville, Kan., at Sale Pavilion, Manhattan, Kan. March 4—C. B. Warkentine and Chas. Mollen, Newton, Kan. Sale at Wichita, Kan. March 17—F. A. Egger, Roca, Neb.

Jacks and Jennets.

Mar. 8—G. C. Roan, LaPlata, Mo. March 2—W. J. Finley, Higginsville, Mo.

S. W. Kansas and W. Oklahoma BY A. B. HUNTER.

Blackwhere & Weaver, Elmdale, Kan., sold at auction, Saturday, February 20, 60 Duroc-Jersey sows and gilts for an average of \$25.61. Thirty head that were showing heaviest in pig averaged right at \$35. The change in railroad time cards perhaps had a tendency to prevent buyers attending from a distance and the rain during the day cut down the local attendance.

Harris Brothers' Percherons.

The man who expects to purchase a Percheron stallion before the season begins will likely find just the draft type of horse he wants by calling at the Harris Brothers' barns, Great Bend, Kan. They have a good lot of stallions from which to select. Write them when you will call and look them over.

Some Good Jacks.

Phil Walker, Moline, Kan., the veteran jack man of Moline is offering some extra good jacks at very reasonable prices, when you consider quality and the reliability of the man selling you the jack. These jacks range from the medium to the big, growthy fellow, that everybody wants. Write him when you will call and look them over. His barns are right close to town. Please mention Farmers Mail and Breeze.

Ewing Brothers' Percherons.

Ewing Brothers, Pawnee Rock, Kan., are making a very reasonable price on registered Percheron stallions and mares. They have over 50 head, including ton stallions of the best of breeding, also matched teams, fillies and young stallions. Their farms are six miles north of Pawnee Rock and 10 miles west of Great Bend, Kan. Let them know when to meet you at either of these points.

Bred Duroc Sows and Gilts.

You can buy Duroc-Jersey bred sows and gilts at retail or wholesale of J. R. Smith, Newton, Kan. Mr. Smith will hold no public sale of bred sows this spring and if you want Duroc sows and gilts of fashionable blood lines and at prices where you can afford to take from four to 20 head, the best thing to do is to drop off at Newton, Kan., and visit this herd. You will find here also choice spring boars, fancy June boars and gilts and you will also find them at prices that will make it to your interest to visit Mr. Smith and buy hogs. When writing please mention Farmers Mail and Breeze.

Big Kentucky Jacks.

Saunders & Maggard, Hutchinson, Kan., who are breeders of jacks and jennets at Poplar Plains, Ky., have been selling jacks to Kansas buyers for the past 20 years. These gentlemen have a reputation for square dealing and are also alive to the demand of Kansas buyers. The continued demand of their Kansas buyers for only the best in jacks encouraged them to bring to Hutchinson, recently, the best carload they have ever brought to the state. The writer some days ago looked them over and found them to be an unusually good lot of jacks and the kind that will not be long in selling at the prices asked. When you call or write please mention Farmers Mail and Breeze.

Lookabaugh's Poland Chinas.

Any farmer can afford one of H. C. Lookabaugh's big type Poland China boars. Mr. Lookabaugh is very popular as a breed-

DUROCS of Size and Quality | Get This Private Sale Catalog BRED SOWS AND GILTS. Duroc-Jersey bred gilts. Choice spring gilts and a few fall gilts priced right. Get Col., Superba, Defender and Good E Nuff Again King. JOHN A. RYED, LYONS, KAN. RALPH P. WELLS, FORMOSO, KANSAS

BIG TYPE UNPAMPERED BERKSHIRES

150 sows bred to Fair Rival 10th, King's 4th Masterpiece, Truotype, King's Truotype, and the great show boar King's 10th Masterpiece. All long, large and heavy boned. Sows farrow from August 1st to December 1st. Eighty bred sows and gilts to farrow soon. Open gilts and boars ready for service. Not a poor back or foot. Every man his money's worth. E. D. KING, BURLINGTON, KANSAS.

BALDWIN DUROCS Fall boars \$9. Long, growthy gilts \$30, bred to "Bell The Boy," the undefeated first prize winner at the "Kan. State Fair," the "Tenn. State Fair" and the "Interstate Fair," Immune, Rose Comb Rhode Island Reds. Winners at big shows. 19 incubators. Eggs \$5 per 100. Baby Chicks 15c each. Call and see us. R. W. Baldwin, CONWAY, McPherson Co., Kan. REDS \$2

THE GET OF CHAMPION BOARS

Duroc-Jersey spring boars and gilts sired by 800 and 1,000 lb. champion boars and out of one of the best herds of sows in Mo. Big boned, strong boars ready for service, \$20 to \$25; gilts bred to farrow in March, \$25 to \$35. Register papers furnished without extra charge. Send your check and get your money's worth. R. W. TAYLOR, Olean, Mo.

Royal Scion Farm Durocs The great Graduate Col., Ganq's Pride, Cherry Scion and Graduate Scion head this herd. Bred sows and gilts, also boars, priced to sell. G. C. NORMAN, Route 10, WINFIELD, KAN.

Durocs Priced to Sell

60 Head 20 Bred Sows and Gilts 20 Choice Spring Boars 10 Handsome June Gilts 10 Fancy June Boars They are most all by or out of sows by Tattler, by the champion Tattarax, Smith Graduate, a grandson of the famous Graduate Col., and Gold Medal, a grandson of Crimson Wonder 4th. The sows and gilts are safe in pig to C. J.'s Col., by Col. Harri. They are the kind that farrow and raise large litters. The spring boars include both the rugged, stock-farmer kind and the kind suited to the breeder. The June boars and gilts have unusual quality and the type that will please you.

No Public Sale I prefer to give my customers the benefit of what a sale would cost. These 60 hogs must sell the next 60 days. Special Reduction on Six or More. Come to the farm on interurban R. R., near Newton, Kan., and let me help you select. If you cannot come write me exactly what you want. Yours for quick business. J. R. SMITH, Newton, Kansas

Dispersion Sale

Registered Percherons By Geo. T. Wolf & Sons

Blue Mound, Kansas March 11th

In making change in our business we have decided to dispense our entire herd of Percherons. This is an unusually good lot of utility Percherons. In making this offering at this season of the year it presents an opportunity to buy good horses right when the horse business looks brightest.

W. H. BAYLESS & CO., OF BLUE VALLEY STOCK FARM, importers and breeders, consign some highly commendable horses and jacks. This will be a great sale. If you want horses, mares or jacks, meet us at Blue Mound, March 11th. We will treat you the best we know how. Write for catalog.

Geo. T. Wolf & Sons, Blue Mound, Ks. Auctioneers, R. L. Harriman, Clyde Robbins. Fieldman, C. H. Hay.

DUROC-JERSEYS.

50 BRED SOWS AT PRIVATE SALE.

10 tried sows 18 to 24 months old, 10 fall gilts and 30 spring gilts. All bred for spring farrow. Dreamland Col. heads my herd. A lot of choice spring and fall boars. Close prices on everything. Address, J. R. JACKSON, Kanopolis, Kan. (Ellsworth Co.)

Howe's Bred Sows and Gilts

Immune spring gilts, fall yearlings and tried sows; extra good breeding. Bred for spring litters to Crimson Hero by Crimson Wonder 4th whose first six sires were grand champions. Prices reasonable. J. U. HOWE, Route 8, WICHITA, KANSAS

HAMPSHIRE.

REGISTERED HAMPSHIRE 150 gilts and 40 boars, all ages. Cholera immuned. Description guaranteed. C. E. LOWRY, Oxford, Kan.

HAMPSHIRE Best of blood lines, well marked pigs, pairs or trios, with young boar to mate gilts. Breeding stock at all times for sale. Satisfaction guaranteed. S. E. SMITH, LYONS, KANSAS.

For Hampshire Hogs, Dutch Belted Cattle, Arab Stallion COLLIE DOGS AND GEESSE FEATHERS. WHITE C. W. WEISENBAUM, ALTAMONT, KANSAS.

SUNNY SLOPE FARM HAMPSHIRE

Pure bred, registered, well-belted, growthy, vigorous and immune Hampshire Hogs. I guarantee to please you or adjust any difference to your complete satisfaction. FRANK H. PARKS, Olathe, Kansas

POLAND CHINAS.

Fall Pigs Either sex, by S. P. Sentinel, out of big type dams, 8 and 9 in litter. Herd header prospects. J. B. MYERS, Galva, Kan.

Immune Poland Bred Sows 25 good ones. Special prices for 30 days. Few boars. J. F. FOLEY, Oronoque, (Norton Co.), Kansas

Sam Herren, Penokee, Kas. Booking spring pigs sired by my great young boar by old A Wonder and out of the great sow Lady Major.

POLAND CHINAS Big type, pedigreed bred sows, boars, fall pigs. Shipped on approval. Davis Bros., Box 12, Lincoln, Nebr

I HAVE SOME FALL PIGS for sale at a bargain price. Sired by my blue ribbon, reserve champion and grand champion boars. W. Z. BAKER, RICH HILL, MISSOURI

Strauss' Big Poland Chinas Six last fall boars and 18 spring boars by Model Wonder (900 pounds) and Blue Valley Chief by Blue Valley. Write me your wants. O. R. STRAUSS, MILFORD, KANSAS

Fairview Herd Poland Chinas Choice Fall Yearling and Spring Gilts, bred for March and April farrow, offered at prices to sell quickly. Write us for guaranteed descriptions. P. L. WARE & SON, PAOLA, KANSAS

SHEEHY'S BIG IMMUNE POLAND CHINAS. Fine big gilts bred to farrow early; some fine big stretchy fall boars and gilts, extra good and priced to sell. ED SHEEHY, HUME, MISSOURI

Blough's Big Poland Big, growthy spring gilts, safe in pig to the splendid sires, Valley Coin or a Great Orphan. And at prices we can both afford. JOHN BLOUGH, BUSHONG, KANSAS

Poland China Boars March and April farrow. Also a few choice fall yearlings. These are actual tops and for sale at reasonable prices. Strictly Big Type. Gilts reserved for bred sow sale. JAS. ARKELL, Route 4, Junction City, Kansas

Becker's POLAND CHINAS Spring gilts, Hadley, Expansion, Mastodon, and other leading strains and safe in pig to Orphan Boy, by Orphan Chief. Fall pigs, pairs and trios, by Orphan Boy and Hadley's Wonder, a grandson of A Wonder. J. H. BECKER, NEWTON, KANSAS

KING OF KANSAS BOARS. One last July boar and 15 September boars. All by King of Kansas and out of big mature sows. Write for descriptions and prices. J. L. GRIFFITHS, RILEY, KANSAS.

ENOS' Big Type POLANDS 25 head of my top sows and gilts for sale, bred to two great boars, Orphan Chief and Mastodon King, a great young boar. Three July boars that are strictly herd headers by Orphan Chief. A. R. ENOS, Ramona, Kan.

Erhart's Big Type Poland 25 head of our top sows and gilts for sale, bred to four of the greatest big type Poland China boars in use today including Robidoux, a 1200 lb hog; also fall pigs from Orphan Big Gun, Big Hadley, Mr. and Big Giant, at \$20 each; three for \$45.00; a few Robidoux fall males at \$25 each for quick shipment. A. J. Erhart & Sons, Ness City, Kan.

Geo. Bingham Bradford, Kan. (A Pioneer Iowa Herd) 50 strictly big type Poland China sows and gilts at private sale. Inspection desired. Prices and descriptions by return mail. Address GEO. BINGHAM, BRADFORD, KAN. (Wabaunsee County).

er of Shorthorns; his herd having won, at the various shows throughout the West, so many prizes. It is hard for some people to realize that it is possible for a breeder to be at the same time a breeder of Poland Chinas as well. Mr. Lookabaugh, however, has the hogs and to prove that he has the kind the people need, is willing to send them out and if when they arrive you are not satisfied with your purchase, your money will be cheerfully refunded. Read his advertising for both hogs and cattle in this issue and when writing please mention the Farmers Mail and Breeze.

Remember Percheron Sale at Wichita.

Have you sent your name for a catalog? This will be one of the best opportunities of the season to buy Percheron stallions and mares at auction. Little River Stock Farm, C. B. Warkentin, proprietor, and C. F. Molzen, Newton, Kan., are selling a draft of 33 head, 16 Percheron stallions, one Belgian stallion and 18 Percheron mares. All these Percherons are registered in the Percheron Society of America and the papers will be ready for buyers sale day. This offering is one that should interest those who wish to purchase good Percherons, either stallions or mares. When these horses enter the sale ring if there is a known defect on a single animal attention will be called to it. Every horse will sell strictly on its merits. Do not fail to look up their advertising in this issue and arrange to attend this sale. It will be held in the new horse and mule sale pavilion opposite exchange building, Wichita, stock yards, Wichita, Kan., Thursday, March 4.

Poland Bred Sows and Gilts.

Do not fail to read the display ad of Olivier & Sons, Danville, Kan., if you want Poland Chinas. The Oliviers have three great herds of large type Poland and instead of holding a public sale will give their customers the benefit of reduced prices on bred sows and gilts for the next few weeks. They have a fine lot of sows and gilts that carry the blood of Blue Valley Quality, Blue Valley Price, Giant Expansion, Big Orange and Revenue Chief. They are bred to such sires as Logan Price, a show prospect of great size and quality. Most of the younger bred sows and gilts are showing safe in pig to either A Wonderful King or King of All Wonders, two outstanding sons of King of All, out of Lady Jumbo 4th, one of the greatest daughters of the noted A Wonder. Danville is on the Santa Fe, only a few miles east of Harper, Harper county, Kansas. They will make attractive prices and the thing to do is to visit their herds and make your selections right soon. Please mention Farmers Mail and Breeze.

A Bargain in Herefords.

Williams & Son, Marlon, Kan., offer for sale, 30 head of yearling heifers and a carload of coming yearling Hereford bulls. They are out of cows strong in the blood of Anxiety 4th and by such sires as Loyalty and Beau Mistic 60th. These heifers run even in size and have extra large bone and will develop into large cows. Many of them border on the show type right now. The fact is that a breeder with a broad acquaintance would have little trouble in disposing of these cattle at a much higher figure than Williams & Son are asking. These Herefords made a strong impression on the writer as being not only the right kind of individuals but as being bred right. Any man with good pasture and farm feeds at his disposal can with proper care for these heifers and the right kind of bulls to mate with them have in just a few years, a good big herd of cattle that will merit patronage for breeding purposes or the kind that will raise feeding steers that can win the blue ribbons for carlots. Go to Marlon, Kan., and see these cattle before they are sold. They can ship over either the Santa Fe or Rock Island. Write, wire or phone them when to meet you. Address Paul E. Williams, Marlon, Kan.

N. Kansas and S. Nebraska

BY JOHN W. JOHNSON.

J. L. Griffiths, Riley, Kan., is offering one choice July best boar sired by King of Kansas, and 15 of last September farrow, for sale. They are all by King of Kansas and out of big mature sows. They are good and you better write at once if you want one.

This is the last call for Lee Brothers' big Percheron sale at the Agricultural college, Manhattan, Kan., Tuesday, March 2. They are selling 45 head of imported and home bred Percherons, consisting of 20 mares bred to Scipion, a lot of young stallions and fillies by him, and stallions of serviceable ages. This sale is next Tuesday.

This is the last call for the Herman Groninger & Sons big Poland China bred sow sale at their farm near Bendena, Kan., Monday, Go to Denton, Kan., on the Rock Island, or Severance on the Grand Island. It is the day before the H. B. Walter sale at Effingham, Kan., and arrangements will be made to take you across to Effingham free. H. C. Graner sells the day after the Walter sale which is Wednesday March 3. U. S. Byrne sells at Saxton, Mo., the day following the Graner sale. All can be conveniently attended. Go prepared to go to all four sales.

This is the last call for the H. C. Graner Poland China sale at his farm two miles north of Lancaster, Kan. It is the day following the H. B. Walter sale at Effingham, Kan., and the day before the U. S. Byrne sale at Saxton, Mo., Herman Groninger & Sons sell in the same circuit on Monday, the 1st; H. B. Walter, Tuesday, 2nd; H. C. Graner, Wednesday, the 3rd; and U. S. Byrne, Thursday, the 4th. Attend all of the sales in this circuit as it is the last of the big Poland China sales in the West. Send bids to J. W. Johnson, in care of either party.

Good Average For Ames.

Howard R. Ames of Maple Hill, Kan., held his dispersion sale of Poland Chinas February 11. The 16 sows and gilts averaged \$40.77. The herd boars sold at sacrifice prices. Hill & King, the Poland China breeders of Dover, Kan., were contending bidders on most of the good sows and topped the sale at \$58, taking Big Defender's Lady, by Big Defender, out of Colossus Queen, by Colossus. Carl Miller of Belvue, Kan., and S. Clark of Paxico,

DOOLEY'S SPOTTED POLANDS

Etterville Breeding Farm, home of the old original spotted Poland Chinas. I am selling spring pigs, either sex, sired by five of the biggest and best spotted boars of the breed. Pairs and trios not related. Get your order in early as they are going fast. Over 100 head to select from. EDGAR DOOLEY, EUGENE, MISSOURI

Big Immuned Poland China Gilts for Private Sale

On account of a severe storm, was obliged to call off my sale February 5 and will sell this fine big lot of immune Poland China gilts and tried sows at private sale. They are big, with quality, and are bred to A Wonder Sampson of the Sampson and A Wonder breeding; Big Orange Wonder by Big Orange; Blue Valley Giant and Big Orphan Boy by The Big Orphan. Am pricing these sows for quick sale. Address— G. A. WIEBE, BEATRICE, NEBRASKA.

LOOKABAUGH POLAND CHINAS 600 Head. Best of Large Type Breeding.

A Wonder, Hadley, Designor, Long King and other noted blood lines. ANY FARMER CAN AFFORD ONE 100 SPRING BOARS They grow big and mature early and will breed just that way for you. Why not have a crop of pigs next spring that not only will look good, but make hogs big enough to ship out next fall before the weather gets cold. I want to sell 50 of these boars to farmers the next 30 days and when your pigs arrive if you are not satisfied you have made a good buy I will refund your money cheerfully. But you must do business quickly if you get one of these good boars. Also bred sows and gilts.



H. C. LOOKABAUGH, Watonga, Oklahoma

HOGS! HOGS!! HOGS!!! Big Type Poland Chinas

Every hog shipped on approval. Time if desired. 60 Head Must Sell, Next 30 Days



King of All Wonders the best sow A Wonder ever sired. They are the kind that are bred to produce both size and quality. Others are in pig to Logan Price, a show prospect of great size and quality.

Start In The Hog Business Now Special prices will be made to parties buying several head. They have been fed and bred for breeding purposes and we guarantee every hog sold. Come and get first choice. Farm near town. Write, wire or phone us when to meet you. Yours for quick business. OLIVIER & SONS, Danville, Harper Co., Kans.

Dr. J. H. Lomax's Jerseys At Auction LEONA, KANSAS Wednesday, March 17

60 Head of HEAVY MILKING 'A. J. C. C. JERSEY COWS, HEIFERS and a few WELL BRED BULLS of the Very Best AMERICAN and ISLAND BLOOD. The offering includes daughters of VIOLA'S GOLDEN JOLLY, IRON DUKE, MARETT'S FLYING FOX, VESTA'S FINANCIAL LAD, LANDSEER'S EMINENT and other celebrated sires.

This is one of the best herds in Kansas, and a recent visitor to the farm says, "Doctor, you have the best lot of udders, teats, and heavy milking cows, I ever saw for a herd of its size." Individual milk and fat records will be announced sale day.

Sale will be held at farm, 2 1-2 miles northwest of Leona where conveyances will meet trains. Leona is on the St. Joseph & Grand Island, 29 miles from St. Joseph, and 13 miles from Hiawatha where connections can be made with the Missouri Pacific. There will be a Special Motor car for St. Joseph after the sale.

There is no Foot and Mouth Disease in this Part of the State. All Cattle Sold into the Quarantined District Will Be Held Until Embargo Is Raised. Don't fail to write today for catalogue. Address

B. C. SETTLES, Sale Mgr., PALMYRA, MO. Auctioneer: Col. H. S. Duncan. Come and hear him.

LIVESTOCK AUCTIONEERS.
ANIMAL PHOTOGRAPHY and sketching; all kinds of farm animals. Write for prices. Harry Spurling, Taylorville, Ill.

John D. Snyder AUCTIONEER, successfully sells pure bred live stock, real estate and general sales. HUTCHINSON, KAN.

FLOYD CONDRAY, Stockdale, Kansas Livestock auctioneer. Write for open dates.

Spencer Young, Osborne, Kan. Livestock Auctioneer. Write for dates.

Jas. T. McCulloch, Clay Center, Kan. Reference: The breeders I am selling for every year. Write for open dates.

WILL MYERS, Livestock Auctioneer ST. LOUIS, KANSAS. Ask the breeders in North Central Kansas. FOR DATES ADDRESS AS ABOVE.

RUGGELS & SON SALINA, KAN. BEVERLY, KAN. Livestock, Real Estate. Address either place.

JESSE HOWELL, HERKIMER, KAN. of Howell Bros., breeders of Durocs and Herefords can make you money on your next sale. Write for dates.

W. A. Fisher, White City, Kan. Livestock Auctioneer. Write or Phone for dates.

Be an Auctioneer

Travel over the country and make big money. No other profession can be learned so quickly, that will pay as big wages. Next 4 weeks term opens Apr. 5th 1915. Are you coming?

MISSOURI AUCTION SCHOOL Largest in the World. W. B. Carpenter, Pres 818 Walnut St., Kansas City, Mo.

BERKSHIRES.
Hazlewood's Berkshires Spring boars, bred gilts—immune: priced to sell. W. O. HAZLEWOOD, WICHITA, KANS.

Large English Berkshires 2 outstanding fall boars now ready for service, price \$60.00 and \$50.00 each. 20 heads of spring boars at \$25.00 to \$40.00 each. 50 head of sows and gilts bred for spring litters, price \$35.00 to \$75.00 each. Address: H. E. Conroy, Nortonville, Kan.

BERKSHIRES Special offering of sows and gilts bred to Starlight Premier 6th and Rivaleer 130548. There will be quality and prices to suit all purses. Weanling fall pigs priced to sell. Write for free descriptive circular.
KIESLER FARMS
A. J. McCauley, Perryville, Mo.

Sutton Farm
Berkshires
 The Greatest Winners of 1914
 Winning at the five leading state fairs, Missouri, (inter-state) Iowa, Nebraska, Kansas and Oklahoma where are held the largest swine shows in the world—over 100 Championships, firsts and seconds, including Grand Champion Boar Prize at each show on the 1000 pound DUKE'S BACON.
 Herd headers, foundation stock and show yard material our specialty.
Sutton Farm, Lawrence, Kans.

MULE FOOT HOGS.
Mule Foot Hogs All kinds for sale. Gilts sired by and bred to my first premium winning boars at Ohio and Indiana State fairs of 1913 and 1914. Some fine fall pigs in pairs. Zene G. Hadley, Box C, Wilmington, Ohio not related.

O. I. C. HOGS.
Choice O. I. C. BRED GILTS and TRIED SOWS. HENRY KAMPING, ELSMERE, KANS.

Coon Creek O. I. C. Herd 32 Sept. pigs, both sexes, spring boars and gilts, and choice brood sows for sale. A. G. Cook, Luray, Kan.

SunnySide Herd O.I.C. 50 Spring pigs both sex, pairs and trios not related, best of breeding, priced right. W. H. Lynch, Reading, Kan.

Grandview Stock Farm 25 O. I. C. March and April, boars and gilts. Special prices for the next thirty days. ANDREW KOSAR, Delphos, Kan.

O. I. C. BRED SOWS and GILTS A few tried sows and gilts bred for spring farrow; boars ready for service, pairs and trios not related. Best I ever offered. Very reasonable prices.
JOHN H. NEEF, BOONVILLE, MISSOURI

MAPLE GROVE O. I. C's. Pigs farrowed first part of November, \$10.00. September pigs \$12.50 each. Bred gilts \$22.50 to \$25.00. Bred sows \$35.00 each. 5% off on all orders for two or more animals. Will have lots of extra good pigs coming between now and next April. Am booking orders now. Write me your wants. Satisfaction guaranteed.
F. J. GREINER, BILLINGS, MISSOURI

bought the larger part of the offering. Other buyers were F. Adams, Maple Hill, and Gus Adams of Maple Hill. Mr. Ames sold his farm and is moving to Byars, Okla., where he expects in the near future to start a herd of big type Poland Chinas.

Poland Chinas Sell Fairly Well.
 L. E. Klein's dispersion sale at Manhattan, Kan., last Tuesday came off as advertised and a fairly good attendance was had. The sale was conducted by L. R. Brady of Manhattan. The prices received were not as good as they should have been, considering the quality of the offering. Mr. Klein dispersed all of his splendid herd sows and some choice spring and fall gilts. Among the prominent buyers from a distance were W. F. Fulton, Waterville; Thompson Brothers, Marysville; Hays Pitman, Keats; J. H. Harter, Westmoreland; Walter Brown, Perry; with a fairly liberal local support. While prices ranged low for the kind of Poland Chinas Mr. Klein was dispersing he expressed himself as being satisfied, considering the fact that conditions were against the bred sow sale business at present.

Attend Samuelson Brothers' Sale.
 This is the last call for Samuelson Brothers' big Duroc-Jersey bred sow sale, at their farm near Westmoreland, Kan., and Blaine, Kan. As is pretty well known, Samuelson Brothers have farms at both Cleburne, Kan., and Blaine, Kan. They maintain Duroc-Jersey herds on both farms and make public sales at both farms every year. This year they did not hold the sale at Cleburne but will sell 40 picked spring gilts that have been carefully handled for this sale. The sale will be held in a big sale pavilion erected on this farm expressly to hold their sales in. It is a dandy and you ought to see it. You can go to Blaine, where they will meet you and return you in time for departing trains. Send bids to J. W. Johnson in their care at Blaine, Kan. Look up their advertisement in this issue.

Average Low, Offering Considered.
 Joshua Morgan's Poland China bred sow sale at his farm near Republic, Kan., and Hardy, Neb., last Monday was well attended. The average of \$41 on 50 head was not enough, considering the excellence of the offering. Number 2 was the highest priced sow sold in the sale and went to W. E. Myers, Hardy, at \$77.50. Among the breeders and farmers who bought in the sale were A. F. Linn, Johnson, Neb., who bought number 1 in the catalog at \$50; Frank Strebel, Alton, Kan., number 9 at \$47.50; Farrell Brothers, Chester, Neb., bought several head; W. M. McCurdy, Tobias, Neb., bought number 12 at \$45; F. B. Bishop, Superior, Neb., bought number 17 at \$40; W. W. White of Hall, Hardy, was the heaviest buyer, and L. M. Hall, Hardy, bought several. Mr. Morgan has always made it a practice to take good care of his purchasers in his bred sow sales and as conditions were against the sale it was the faith the breeders and farmers have in Mr. Morgan that helped the sale. The sale was conducted by H. S. Duncan.

Conditions Against the Sale.
 Jas. Arkell, Junction City, Kan., held his Poland China bred sow sale at that place last Saturday. It rained all day and the country roads were in a very bad condition. A number of breeders were out and a very good attendance of farmers was had, considering the conditions of the roads. The prices received were not as good as the quality of the offering warranted but satisfactory to Mr. Arkell, considering the unfavorable conditions. Among the breeders who attended from a distance were W. E. Epley, Diller, Neb.; Jas. W. Anderson, Leonardville, Kan.; W. A. McCulloch, Delavan, Kan.; and others. Among the farmers who were good buyers were M. J. Goggin, Earl Tappleton and Huston, Wm. Hickman, J. M. Harrigan, all of Junction City. The sale would have been one of the best of the season with favorable conditions as Mr. Arkell has a fine business among the farmers in that part of the country and they are good buyers. The sale was conducted by Jas. T. McCulloch, assisted by W. G. Webster and Wm. Cookson.

Only a Fair Average.
 A. J. Swingle, Leonardville, Kan., sold Poland China bred sows at his farm joining town last Friday under the same very unfavorable conditions as the two sales preceding it. It rained all day and the country roads were almost impassable. But a good local attendance was had, although it was next to impossible for many of them to get to town. Among the breeders from a distance who attended were Thos. W. Willson, Lebanon, Kan.; Arthur Pfander of the same place; W. E. Epley, Diller, Neb., who attended all of the sales in the circuit; J. J. Miller, St. George, Kan.; Hays Pitman, Keats, Kan.; E. E. Merten, Clay Center, Kan.; John Granger, Clay Center, Kan.; J. H. Harter, Westmoreland, Kan.; and others. Mr. and Mrs. Swingle served an excellent dinner at the hotel for everyone who attended. While Mr. Swingle did not expect as much for his sows as he had expected he was feeling good after the sale and expressed himself as pleased with the result, considering the unfavorable conditions under which he was making the sale. The sale was conducted by Jas. T. McCulloch and L. R. Brady.

Griffiths' First Sow Sale.
 J. L. Griffiths, Riley, Kan., sold Poland China bred sows last Thursday and his sale was well attended, considering the fact that it rained all day and had rained about all of the night before. He sold at his farm about six miles from Riley and a good crowd of his farmer friends came and there was a good attendance of breeders from over the state. Among the breeders were Thos. W. Willson, Lebanon, Kan.; Arthur Pfander of the same place; Walter Brown of Perry, Kan.; J. J. Miller, St. George, Kan.; Walter Beeler, Grantville, Kan.; Sam Herrin, Penokee, Kan.; Geo. Fitzsimmons, White City, Kan.; and others. The local buyers were very liberal, considering the unfavorable conditions. H. B. Walter, Effingham, Kan.; John Coleman, Denison, Kan.; A. F. Blinde, Johnson, Neb.; Jas. Arkell, Junction City, Kan., were represented in the sale and bought in the sale. Mrs. Griffiths served a fine dinner and while the day was a very disagreeable one because of the rain and mud it was nevertheless a very enjoyable one and Mr.

Lookabaugh's Shorthorns

More and better Shorthorns for my customers than ever before. \$20,000 worth of pure bred Registered Shorthorns to sell the next 60 days. \$1000 properly invested in these cattle will make you rich. Come early and get your pick; we pay your car fare home if you do not buy.

THE FARMER'S COW Strong in the blood of the most noted sires of the breed.



2 heifers and a bull — milking strain, not related — \$250.
 2 fresh milk cows, calf at foot and rebred—milking strain—\$350.

8 head of heifers, milking strain and Scotch herd bull all for \$1,000.
 A car load of rugged young bulls, \$100 to \$150 each.

A WORD TO MR. BREEDER
 It is easy to increase the value of every Shorthorn you raise from \$10 to \$30, simply by using a better breeding bull. Stop and figure what this means even on the first crop of calves, whether you have 5 or 50 breeding cows and heifers in your herd. I have never before had such splendid herd bull material from which to select. I want to place these bulls where they will do the most good. The success of those who buy these herd bulls will prove more than all my prize winning and show ring honors my ability as a breeder. Come and see them, you will say with others they are the greatest bunch of herd header material you ever saw on any farm.

CALL ON OR WRITE
H. C. Lookabaugh, Watonga, Okla.

ECKHARDT'S SHORTHORNS
OVER 100 HEAD From Which To Select

The breeding females are located on Midland Valley Railroad at Frankfort, Okla. No commercial cattle or cattle of any kind have been handled to this ranch since August and they are all in good condition and perfect health. Many of these cows and heifers are dropping calves and are due to calve the next 60 days to the great breeding bull, Rosewood Dale, a good son of the champion, Avondale.

COME TO FRANKFORT, OKLAHOMA but wire, phone or write me at Winfield, Kan., when to meet you. We have raised these cattle and know what they are. They are strong in the blood of milking strain Shorthorns. They are the kind that will please you.

SPECIAL PRICES ARE BEING MADE on choice young heifers and bulls eight and twenty months old to those who buy in lots of four or more. These are attractive Shorthorns and priced at right prices. Address
Levi Eckhardt, 1203 E. 10th St., Winfield, Kas.

Reduction Sale of Shorthorns
 Come to Doyle Valley Stock Farm



175 Head of Shorthorns consisting of many choice animals that carry the blood of noted sires and fashionable families. Built up from foundation stock purchased from the best breeders of the Southwest.

50 HEAD MUST SELL IN 60 DAYS. Here is the Bargain Counter for the man who expects to start in the Shorthorn business. All kinds of Shorthorn Breeding Stock from which to select—Cows, Heifers and Bulls, cows with calf at side others due to calve soon. Included are grandsons and daughters of such sires as Avondale, Prince Oederic and other noted sires. If you want Shorthorns and some now. Write, wire or phone me when to meet you at Peabody either Rock Island or Santa Fe Depot. Yours for business.

M. S. CONVERSE, Peabody, Kansas

HIGH GRADE and REGISTERED HOLSTEINS
OVER 100 HEAD OF COWS, HEIFERS AND BULLS.

The silo and dairy cow are here to stay. There is big money and sure profit in the dairy farm if you use the right kind of cows. The Holstein has proven her worth in the North and East and is sure to take the lead in the southwest. Visitors welcome; call or write today.

Clyde Girod, Towanda, Kansas

HOLSTEINS Herd headed by Sir Jullanna Grace's DeKol. Dam one year, semi-official, milk 2287 pounds; Dam one year, semi-official, butter 924 pounds. Sire's dam one year, semi-official, 1926 pounds butter, as a three-year-old (world's record) and over 2,000 pounds butter in three years (world's record). We will bet this great bull to a few good cows this season at \$25.00. We have several young bulls for sale. Write for particulars to
SHULTHIS, ROBINSON & SHULTZ, (Owners), Independence, Kas.

HEREFORD BULLS Registered, 6 to 23 months old, for sale. **J. E. DIFFENBAUGH, Talmage, Kansas.**

GALLOWAYS.

Registered Galloways
250 in herd. 40 bulls from 5 to 18 months, sired by the 2200 lb. Carnot Imp. breeding. **W. W. DUNHAM, Doniphan, (Hall County), Nebraska.**

CAPITAL VIEW GALLOWAYS
Bulls from 6 months to 2 years; also a few females of modern and quick maturing type.
G. E. Clark, Topeka, Kan.

RED POLLED CATTLE.

FOSTER'S RED POLLED CATTLE Write for prices on breeding cattle.
C. E. FOSTER, R. R. 4, Eldorado, Kansas.

RED POLLED CATTLE

Choice bulls, cows and heifers for sale. Best of breeding. Write or better come and see
CHARLES MORRISON & SON, Phillipsburg, Kan.

RED POLLED CATTLE

BEST OF BLOOD LINES and cattle that will please you. Cows, heifers and young bulls, at attractive prices.
I. W. POULTON, MEDORA, KAN.

POLLED DURHAMS.

Good Enough X8933
3 years old; also registered black Percheron stallion, a sure foal getter. **T. M. WILSON, LEBANON, KANS.**

Double Standard Polled DURHAMS
Six yearling bulls. A number of under yearling bulls. 2 good French draft stallions and some jacks. **C. M. HOWARD, Hammond, Ks.**

ABERDEEN-ANGUS.

ANGUS CATTLE
I will sell a choice lot of cows and heifers, some bred and some open. My herd consists of animals of the best breeding, strong in the blood of the Blackbird, Queen Mothers, Bruce Hills, Heatherblooms and Lady Jeans
W. G. Denton, Denton, Kansas

Aberdeen Angus Cattle
We have for sale at this date, Feb. 16th, 8 right good and serviceable bulls, yearlings past; 20 coming yearling bulls; 30 yearling heifers, bred and open. We would either sell or trade the heifers for good registered bulls of serviceable age.
SUTTON & PORTEOUS, Route 6, Lawrence, Ks. Bell Phone 8454

Aberdeen Angus Cattle
WORKMAN
DUROC HOGS
Johnson Workman, Russell, Kan.

SHORTHORNS.

17 SCOTCH TOPPED BULLS
9 yearlings past and 8 yearlings. Big, strong, rugged bulls, mostly by Victor Archer, Reds and roans. Write today for descriptions and prices **WILL GRANER, Lancaster, Kan.**

SHORTHORN BULLS
4 Shorthorn bulls, 9 months old, white and roans, sired by Golden Crucifix, pure Scotch. From the same family as Lavender Lord, by Avondale.
C. E. HILL, TORONTO, KANSAS

Shorthorns Priced to Sell
A nice lot of Scotch and Scotch topped bulls 8 to 20 months old; also cows and heifers safe in calf. These cattle can be bought so they will make you a good profit. Do not wait, first come, first served.
H. C. Stephenson
CLEMENTS, (CHASE CO.) KANSAS

SHORTHORNS
Choice Young Herd Bulls 10 to 14 months old. A few Choice Young Heifers. Some Cows close to calving. Everything guaranteed free from tuberculosis, or any other contagious disease. Prices very reasonable.
C. H. White, Burlington, Kan.

SCOTCH and SCOTCH TOP BULLS
Four bulls; one yearling and three 8-months-old calves. Two pure Scotch, one Orange Blossom and one Brawith Bud. Also three or four choice yearling heifers. All by Secret's Sultan. Priced to sell.
S. B. AMCOATS, CLAY CENTER, KAN.

Pearl Herd Shorthorns
Valiant 346162 and Marengo's Pearl 391982 in service on herd. Choice early spring bulls by Valiant for sale. Thrifty and good prospects, Scotch and Scotch Topped. Correspondence and inspection invited.
C. W. Taylor
Ablene, Kansas

Griffiths felt well pleased with the results in his first sale. He will sell again next February. **Jas. T. McCulloch** conducted the sale, assisted by **Jac. Cross.**

Harter's Sale Satisfactory.

J. H. Harter sold Poland China bred sows at the Agricultural college, Manhattan, Kan., last Wednesday under very unfavorable conditions. At noon it commenced to rain and the local attendance was kept away. There was a very good attendance of breeders from over the state and while the prices received were below what Mr. Harter had a right to expect he was nevertheless well pleased with the manner in which his offering was received. **C. D. McPherson, Topeka**, was the heaviest buyer. **John C. Frey, Manhattan**, was a good buyer. **A. J. Swingle** of Leonardville, Kan., was a good buyer as was also **Jas. Arkell** of Junction City, Kan.; **J. L. Griffiths**, Riley, Kan.; **Walter Brown** of Perry, Kan.; **Hays Pittman** of Keats, Kan.; **G. F. Shirley**, Perry, Kan.; **C. M. Scott**, Hiawatha, Kan.; **Walter Avery**, Wakefield, Kan.; **Ben Thompson**, Havensville, Kan., were among the most prominent breeders from a distance. The offering was exceptionally good. Mr. Harter opened the Riley county circuit and while he felt that he should have received a little more money for his sows, expressed himself as feeling all right about it. He expects to hold another bred sow sale about the same time next winter. **Jas. T. McCulloch** conducted the sale, assisted by **W. C. Curphey** of Salina, who has always been connected with Mr. Harter's sales. **Floyd Coudry** also assisted.

S. E. Kan., S. Mo. and E. Okla.

BY **C. H. HAY.**

Attention is called to **A. G. Dorr's** Duroc Jersey advertisement in this issue. Mr. Dorr is one of the oldest breeders in Kansas. He has been breeding Duroc-Jerseys for more than 25 years and all this time it has been his aim to produce a hog that would make money for the pork producer. "Size with quality" is his motto. At present his offering includes bred gilts and fall pigs. When writing Mr. Dorr for information and prices please mention this paper.

Finley's Duroc Dispersion Sale.

The blood of champions and grand champions will be at your mercy at **Chas. W. Finley's** sale. Every one is a champion or the get of a champion. There will be all ages in this sale from grand champion herd boars to fall pigs. This is perhaps the greatest opportunity you will have to buy such Durocs at auction this year. Don't forget the date and the place—**March 2, at Otterville, Mo.**

Buy Kiesler Farm Berkshires.

The **Kiesler Farm, Perryville, Mo.**, has just gotten out a new descriptive circular, giving complete descriptions of 27 sows and gilts which they are offering at bargain prices. Mr. McCauley, the proprietor, has been very careful in getting up the footnotes and has treated every animal according to her individual merits and you can depend on them not being overated. Anyone interested in Berkshires should have this circular. A postal will bring it and a photograph of any sow in which you are interested.

Schaede's Angus Dispersion Sale.

The **F. W. Schaede** sale, at **Yates Center, Kan.**, attracted a good portion of the Angus breeders of the Southwest. The offering was in nice condition and went out at prices fairly satisfactory to Mr. Schaede and such that the purchaser will certainly make money. The average was a few cents under \$100. The principal buyers were **L. R. Kershaw, Muskogee, Okla.**; **Loyd Jefferson, Buffalo, Kan.**; **E. L. Barrier, Eureka, Kan.**; **Mr. Gillespie, Buffalo, Kan.**; **Joe Zeller, Brownell, Kan.**; **Chas. Volland, Westphalia, Kan.**; **J. D. Grier, Selma, Kan.**; **Anderson & Finley, Gas, Kan.**; **Rutherford Bros., Garland, Kan.**, and **Frank Marak, Brownell, Kan.**

Remember Finley's Jack Sale.

One of the best lots of jacks and jennets to be sold at public auction this spring will be the offering of **W. J. Finley** of Higginsville, Mo., **March 2**. No man in the business knows a jack better than "Bill" Finley and while he has held many sales of high class animals, he says he never offered a better lot of jacks than he is offering at this time. The catalog contains pedigrees of 35 jacks and 26 jennets and pictures of a large number of the jacks and several of the jennets. One of the greatest jacks known to the breeders of jack stock is **Dr. McChord**. He is represented in this catalog by both sons and daughters. The man who wants a mule jack or a jennet jack can find it in this offering and the man who wants to start a herd of jennets can do no better than to visit this sale. It is too late now to write for a catalog but not too late to make preparations to attend the sale.

W. A. Baker & Sons' Good Sale.

Despite the rainy weather which made the roads almost impassable for motor cars, the local attendance was large and the breeders were out in considerable force. Sows bred to the champion **Big Bone's Son Jr.**, to farrow before April, made an average of \$60. The average on the entire offering was a little over \$51. **J. A. Godman** of Devon, Kan., topped the sale on **Lady Look**, by **Baker's Hadley** and bred to **Big Bone's Son Jr.**, at \$130. Other buyers were **J. M. Myers, Jefferson, Kan.**; **W. R. Crowther, Golden City, Mo.**; **John Belcher, Raymond, Mo.**; **Geo. Argenbright, Adrian, Mo.**; **Joe Young, Nevada, Mo.**; **W. Z. Baker, Rich Hill, Mo.**; **M. R. Hurley, Grant City, Mo.**; **T. J. Ridgeway, Rockville, Mo.**; **H. Regua, Butler, Mo.**; **D. E. Hogen, Norborne, Mo.**; **W. P. Largent, Butler, Mo.**; **W. P. Miller, Butler, Mo.**; **M. G. Ross, Blue Mound, Kan.**; **L. C. Redford, Bruce, Mo.**; **E. D. Frazier, Drexel, Mo.**, and **J. W. Carver, Butler, Mo.**

They Appreciate Smooth Columbus.

John Belcher smashes the record with **Smooth Columbus** sows. Admirers of **Smooth Columbus** were out in force at **Raymore, Mo.**, **February 20**. As usual, Mr. Belcher has his offering in splendid shape and the way the breeders went after them shows their appreciation of **Smooth Columbus**. The top o' the sale was **Fessie's Lady**, bought by **Bennett Brothers**, of **Lees Sum-**

DAIRY CATTLE.

HOLSTEINS FOR SALE high bred registered bulls, from 4 to 18 months old. **N. S. AMSPACKER, JAMESTOWN, KANS.**

HOLSTEINS—CHOICE BULL CALVES
H. B. COWLES, TOPEKA, KANSAS.

Higginbotham's Holsteins
Registered Holstein bulls for sale, from a month old up to two years old, many of them from **A. R. O. Dams**. They are priced so they sell readily. If you need a bull see ours before you buy.
HIGGINBOTHAM BROS., Rossville, Kansas.

Sunflower Herd Registered Holsteins
A number of choice young bulls all from **A. R. O. dams** and from proven sires and grandsires. (A good bull is a profitable investment, a cheap bull will prove a disappointment.) Buy a good one from
F. J. SEARLE, OSKALOOSA, KANSAS

HOLSTEIN CATTLE All females able bulls sold. Have nothing to offer now but bull calves from a few weeks to four months old. The calves are from good producing dams, some giving as much as 70 pounds. **T. M. EWING, Independence, Kan.**

Linscott JERSEYS
Premier Register of Merit Herd Est. 1878. Bulls of Reg. of Merit, Imported. Prize Winning stock. Most fashionable breeding, best individuality. Also cows and heifers. Prices moderate.
R. J. LINSOTT, HOLTON, KANSAS

SOMMER--BLADS GUERNSEYS!
TUBERCULIN TESTED.

Some matured cows and young bulls by **Chief Glenwood Boy** of **Haddon, Penwyn 2d** and **Flash of Fenmore (A. R. 55)**. Address
ERNEST KENYON, Nortonville, Kansas

GUERNSEYS
I have one very choice Guernsey bull of serviceable age, out of imported sire and dam; also one six-months' old bull—very choice.
OVERLAND GUERNSEY FARM,
OVERLAND PARK, KANSAS

Big Boned Jacks and Jennets
Herd won more prizes at Oklahoma State Fair 1914 than all others combined. One of the oldest established herds in the state. **J. H. SMITH Kingfisher, Okla.**

SCOTT'S JACK and Jennet Sale
will be held in **Savannah, Mo.**, **March 4th**; will sell 24 large black registered Mammoth jacks, 3 to 7 years old and 12 bred jennets of same type as the jacks; the best offering I have ever made. Write for illustrated catalog. **G. M. SCOTT, Rea, Mo.**

MAMMOTH JACKS
You will find at my barns one of the largest number of best quality registered, big-boned black jacks, 15 to over 16 hands, to be found in the U.S. Reference, **Banks of Lawrence**. Location 40 miles west of **Kansas City** on the **U. P.** and **Santa Fe**. Prices reasonable.
A. E. Smith, Lawrence, Kas.

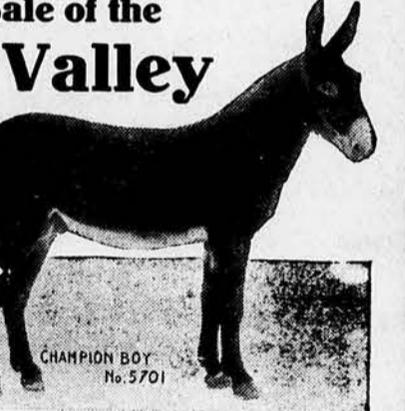
FAIRVIEW STOCK FARM
Registered Jacks, bred to meet modern requirements for bone and stamina. 25 head from weanlings to 7-year-olds and up to 1200 pounds in weight. Good jennets bred to the champion **Pharaoh 2491**. We won the 1913 and 1914 state fair championships.
H. T. HINEMAN & SONS,
Dighton, Kansas.

35 Years A Breeder For Sale
35 head registered Jacks and Jennets 14 1/2 to 16 hands. We raise all the stock we sell, there is no speculation profit. Reference any bank in Jackson county. All mercantile Agencies. We have the good ones. Come or write.
M. H. ROLLER & SON,
Circleville, Kan.

Kentucky Jacks
We have shipped from **Poplar Plains, Kentucky**, to **Hutchinson, Kansas**, 20 head of fine registered jacks. Range in age from three to eight years old, and from 14 1/2 to 16 hands, standard, all good colors, with large, heavy bone and plenty weight. We have been shipping jacks to the West for years, and this is the best load we have ever shipped, and they are for sale privately. Come and look them over and we will make prices right. For private sale catalog, address,
SAUNDERS & MAGGARD
At Midland Barn. HUTCHINSON, KANSAS



The Sixth Annual Sale of the Clover Leaf Valley Jack Farm
Will be given at **La Plata, Mo.**
March 8, 1915
This sale will be given in the largest exclusive jack and jennet sale pavilion in the United States. 24 passenger trains stop at **La Plata**, each day. Pavilion situated 100 yards from depots. 25 head of the highest class registered jacks ever offered in any sale. 25 jennets of the very best conformation and breeding in America, many of them with colts by side. Blood lines of **Mammoth J. C. No. 2046**, **Orphan Boy 696**, **Limestone Mammoth 298** and many other of the greatest jacks in the world will be sold both in jacks and jennets.
The Greatest Lot of Jacks and Jennets to be Offered in 1915
If you are interested in jacks or jennets, WRITE for the GREATEST CATALOGUE of this stock ever printed, showing the photographs of each animal and giving the extended pedigree. I SELL MORE HIGH CLASS JACKS THAT PAY FOR THEMSELVES IN ONE YEAR THAN ANY MAN IN AMERICA. Address
G. C. ROAN, Prop., La Plata, Macon Co., Mo.
Auctioneers—**Col. Gross, Col. Graham, Fieldman—Ed. R. Dorsey.**



JACKS AND JENNETS.
FOR SALE OR TRADE Five jacks, 3 to 6 years old. W. E. LORRIS, Route 10, Emporia, Kans.

HALEY'S STOCK FARM
 For Sale: Three splendid jacks in service last season. Also one reg. Percheron stallion and a few good Percheron mares. Write
JAS. E. HALEY, HOPE, KANSAS

Leavenworth Co. Jack Farm
 25 jacks and jennets for sale. 2 good herd headers. Located between Atchison and Leavenworth on Santa Fe R. R.
CORSON BROTHERS, POTTER, KANSAS

Three Kentucky Mammoth Jacks
 Also registered Percheron Stallion. All in service at our barns the last two seasons. Must be sold. Write us before you buy.
PRICE BROS., SALINA, KANSAS

HOME OF THE GIANTS
100 HEAD JACKS and JENNETS
 Herd headers and mule Jacks. The big, black, big boned kind. Everything guaranteed as represented.
BRADLEY BROS., WARRENSBURG, MO.
 65 miles east of K. C. on Mo. P. Stock in town. Come and see them.

GRANDVIEW JACK FARM
STOCKTON, KANSAS, (Rooks County)
 At private sale: 18 mammoth jacks ranging in ages from serviceable jacks down to weanlings. All are black with white points and have bone, size and substance. Also 35 jennets in foal. Write for descriptions and prices, and visit my barn at Stockton. Visitors called for at Plainville. If you are looking for the best at reasonable prices write me. **Cornelius McNulty, Stockton, Kan.**

Jacks and Jennets
 A good lot of Jacks from which to select, 2 to 6 yrs. old; well broke and quick servers.
PHIL WALKER, Moline, Kan.

Kentucky JACKS and SADDLERS
 Fine Kentucky Mammoth Jacks and jennets. Saddle stallions, mares and geldings. Kentucky quality is the best. Write for our New Booklet and save from \$20 to \$4000 your jack or saddle. Low express and freight rates. Home cured blue grass seed 80 cents per bu. Write us describing your wants.
The Cook Farms LEXINGTON, KENTUCKY

BUY YOUR JACKS OF PRAIRIE VIEW JACK FARM
 We have shipped jacks for 25 years. The same reliable guarantee goes with each sale. We have forty jacks and jennets to sell from 2 to 6 year olds, 15 to 16 1/2 hands high. We sell more jacks at private sale than any other firm. 40 miles north of Kan. City and 40 mi. east of St. Joe.
ED. BOEN, LAWSON, MISSOURI

PUREBRED HORSES.
10 Registered PERCHERON Stallions
 ranging in ages from two years to six. Blacks and greys. Strong in Brilliant breeding. Write for prices and descriptions.
WILL GRANER, LANCASTER, KANSAS

German Coach
70—Horses—70
 The great general purpose horse. Satisfaction guaranteed. Write or call.
J. C. BERGNER & SONS, Pratt, Ks.

IMPORTED AND HOME-BRED STALLIONS
 FOR SALE. Can show buyers more registered stallions and mares than any firm in America. Come and see my horses and mares and visit the best and finest horse country in the West. Reference: Any bank in Creston, Iowa.
A. LATIMER WILSON, Creston, Ia.

Imp. Stallions and Mares
 Percherons, Belgians, and Shires 2 to 6 yrs. old; weight, 1900 to over 2100. Paris, Mares and state fair winners. Best guarantee, prices right. Terms to suit reliable parties. Also Shorthorn bulls and heifers.
Joseph Rousselle, Seward, Neb.

35 MULES FOR SALE
 In fine condition; broke to harness; 3 years old; average weight 1,000 lbs. Can be seen at any time on Riverview Farm, two miles from Kendall, Kan., (Santa Fe R. R.) Will sell all or part before March 1st. Mule buyers are requested to come to the farm and make an offer.
W. H. Ellison, Mgr., Kendall, Kan.

mit, Mo., at \$355. The next was White Head, bought by J. A. Godman of Devon Kan., for \$220. Nine head sold for \$100 and over. Nothing sold under \$50. The average on the entire offering was \$88.25. Other buyers were Dr. W. A. McDonald, Eldorado Springs, Mo.; J. R. Young, Nevada, Mo.; W. R. Crowther, Golden City, Mo.; W. O. Erichard, Walker, Mo.; Harry Wales Peculiar, Mo.; Geo. Argenbright, Adrian, Mo.; Ed Sheehy, Hume, Mo.; F. E. Moore & Son, Gardner, Kan.; W. A. Baker & Sons, Butler, Mo.; J. C. Hall, Rocheport, Mo.; R. L. Whitsett, Holden, Mo.; M. D. Porter, Vandalia, Mo.; J. E. Axline, Wellsville, Kan.; V. P. Wales, Raymore, Mo.; C. C. Greenlee, Lees Summit, Mo.; R. S. Fisher, Denton, Mo.; W. T. Murry, Kansas City, Mo.; W. H. Brown, Ulrich, Mo.; John Blough, Bushong, Kan., and E. L. Mindenhall, Erie, Kan.

Dispersion Percheron Sale.
 Geo. T. Wolf & Sons of Blue Mound, Kan., will disperse their herd of Percherons on March 11. This is one of the big firms of Linn county. They conduct one of the largest mercantile businesses in the county besides carrying on extensive farming operations. They have been building up a herd of Percherons for several years, buying from the best breeders and importers in the business. A change in the business affairs makes it necessary for them to disperse this good herd. The outlook for the Percheron business is exceptionally bright and this offering will afford an opportunity for farmers and breeders to buy the best. W. H. Bayliss & Co., owners of the Blue Valley Stock Farm will consign some exceptionally good horses and jacks to this sale. There is not a better horseman in Kansas than W. H. Bayliss. He is an extensive importer and breeder and our readers can be assured that he will consign nothing for sale at any time, that is not strictly first class. Messrs. Wolf extend an invitation to any of our readers who are interested in good Percherons to be their guest at Blue Mound, Kan., March 11. Write today for catalog and mention Farmers Mail and Breeze.

Nebraska
 BY **JESSE R. JOHNSON.**
Nebraska Shorthorn Sale.
 Nebraska is one of the great Shorthorn states of the Union. Some of the best known sires of the breed have been owned in this state. The prominent breeders of the state are topping their herds for a big combination sale to be held at Grand Island, Neb., Thursday and Friday, March 11 and 12. One hundred and twenty-five choice Shorthorns make up this offering, including 75 bulls and 50 females. Cattle to suit every fancy have been listed. There are high class herd bulls, range bulls and farmers' bulls. Also cows suitable for the farmer and ranchman, foundation stock for a herd or supplemental stock for herds already established. For a list of consignors and other information concerning the sale see display ad in this issue. For catalog address J. C. Price, Sales Manager, 145 South 28th St., Lincoln, Neb. Please mention Farmers Mail and Breeze when writing.

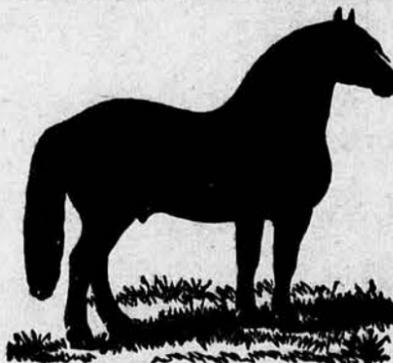
N. Missouri, Iowa and Illinois
 BY **ED. R. DORSEY.**
Horton's Sale a Success.
 Earl Horton of St. Joseph, Mo., held a very successful sale of Duroc-Jerseys February 16 without the assistance of an auctioneer. Mr. Horton had engaged an auctioneer for this sale but he was delayed and did not reach the sale until after it was over. Mr. Horton himself is a salesman for a St. Joe hardware house. His farm is 10 miles from St. Joe on the Interurban and will soon be one of the best stock farms in western Missouri. He has been breeding hogs for 10 years and thoroughly understands the business. He expects to hold two sales each season. He expects in the future to have an auctioneer to do the selling. The average on the February 16 offering was about \$35.

Publisher's News Notes
Implement Blue Book.
 The Midland Publishing Co., St. Louis, Mo., has a few hundred copies of the 1914 Implement Blue Book, one of which it offers to mail free of charge, to any subscriber to this paper who will send 20 cents to pay the packing and postage. The book has 500 royal octavo pages, weighs 2 pounds and contains complete classified descriptive lists of all farming implements, vehicles and wagons, and kindred goods made in the United States, with names and addresses of manufacturers; also a full list of all branch jobbing and transfer houses in this country and Canada, from which near-by repairs may be had.

How the Prizes Were Won.
 Through the courtesy of Swift & Company of the Chicago stock yards, we are enabled to tell our readers the result of a shelled corn contest recently held in Indiana and Ohio for men and boys. The methods used by both classes of winners are interesting. In the men's class was the 5-acre contest and the first prize winner had an average of 112.13 bushels an acre which is the highest in the state. Only one of the prize winners averaged less than 100 bushels an acre. In the boys' class was the 1-acre contest, the first prize winner averaging 153.90 bushels an acre. And only two of the five winners in the boys' class averaged less than 100 bushels an acre. Significant among all these prize winners was the fact that each used as his aid Swift's Fertilizer. This fertilizer is rich in blood, bone and tankage. It is proof that these are the most productive sources of available plant food. For more information we suggest you write direct to Swift & Company, Dept. P, Chicago Stock Yards, and ask about the prize winners and their use of Swift's Fertilizer.

The man without gumption amounts to about as much as the "gh" in through—he's not heard from and never will be missed.

Harris Bros.' PERCHERONS
50 Head



of Percherons all registered in the Percheron Society of America

Algarve, by Samson, at the head of herd, is a wonderful impressive sire, weighing over 2,200 pounds.

If you want Percheron stallions, we want to meet you and show you our assortment of fine young stallions. Some of them big, young fellows with a wonderful "come," other mature and ready for hard service and ranging from the low-down compact drafter to the big, handsome herd header, that is sure to please. These Percherons are strong in the best blood ever imported from France, with size, bone and conformation the good, big, draft type you are looking for. We are selling a stallion every few days because we have the right kind and at prices that are reasonable. Shipment Mo. Pacific or Santa Fe. Barns right in town. Write, wire or phone us what you want or when you will call. Address

HARRIS BROS., GREAT BEND, KANSAS

LAMER

I have just received a new shipment of 20 Stallions and now have

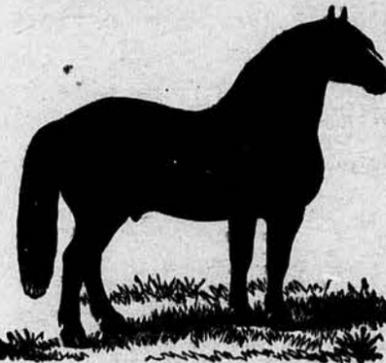
80-Head-80

Stallions, Mares, Fillies and Colts

WRITE FOR PRICES

C. W. Lamer, Salina, Kansas

EWING BROS.' Percherons



60 Head of Registered Stallions and Mares

Ranging from weanlings to mature stallions and mares. Including ton stallions, herd headers and mares of the best breeding. Matched teams, fillies and young stallions.

Also Shetland ponies and Shorthorn cattle. Herd headed by Velvet Chief 398640. Come and see us before you buy, or write your wants today. Six miles north of Pawnee Rock or 10 mi. west of Great Bend, Ks.

Ewing Bros., R. 1, Box 28, Pawnee Rock, Kan.

This "Like France" Percheron farm has
 the goods, and lots of them. Registered stallions, 1 to 5 yrs. old. Jet blacks, greys. Come where the genuine good ones are. Nobody will sell you that they have Percherons as weighty, heavy-boned, rugged and useful as Fred Chandler's, or as big a bunch to pick from. You, too, will recommend this herd after you have been here. Just above Kansas City. **FRED CHANDLER, Route 7, Chariton, Iowa.**

Special Bargains on Stallions

We have twenty big, coming three and four year old Percheron stallions yet and in order to close them out, we are going to sell them at greatly reduced prices. They are the Big, sound fellows and the first twenty stallion buyers here will get twenty Big Bargains. Don't write, but get on the train and come and see the best bunch of big stallions in the U. S. for the money. 20 miles east of Wichita on the Mo. Pac.
Bishop Bros., Box A, Towanda, Kansas

Watson, Woods Bros. & Kelly Co.
LINCOLN, NEBRASKA

Imported and American Bred Stallions, **PERCHERONS, BELGIANS AND SHIRES.**

We have a splendid lot of stallions of various ages selected especially for the requirements of our trade. They are big, drafty, clean boned, well finished and good actors. We have never offered better bargains. **150 Choice Holstein Heifers** unregistered, from best milking strains, soon to freshen.
OUR PRICES ARE RIGHT



Percheron Stallions and Mares

At Auction in New Horse and Mule Sale Pavilion
Opposite Exchange Building, Wichita Stock Yards

Wichita, Kan., Thursday, March 4, 1915



33 Head Imported and American bred consisting of 16 pure bred registered stallions ranging from weanlings to mature age, 17 pure bred registered mares from weanlings to those of mature age showing in foal.

The sires and dams of most of the young stock offered in this sale will also be in the sale so you will be able to see exactly what kind of producing Percherons you are buying.

These Percherons are all registered in the Percheron Society of America and the papers ready for purchaser sale day.

These stallions and mares include several that weigh a ton and others that will mature into the ton class. Several are either imported, sired by or bred to imported sires.



This offering is made up about equally from the herds of Chas. Molzen, Newton, Kan., and Little River Stock Farm, Halstead, Kan. 10 head of these Percherons consigned by Little River Stock Farm are by the good sire Onida, a splendid line bred Brilliant stallion whose get shows bone, size and quality. Of the Molzen consignment, seven head are by and others are in foal to the imported stallion, Jacquemont, a highly bred individual whose get must be seen to be fully appreciated. These Percherons are not only well bred but good individuals and should interest all buyers who are in the market for Percherons. You will find here a good variety from which to select. Included will be a six-year-old imported Belgian stallion of unusual merit, weighing 2,100 pounds. Every known defect will be called attention to and every animal sold strictly on its merits. Write today for catalog.

No restrictions whatever on moving these horses to any part of the State and Federal inspectors will inspect all horses for interstate shipments.

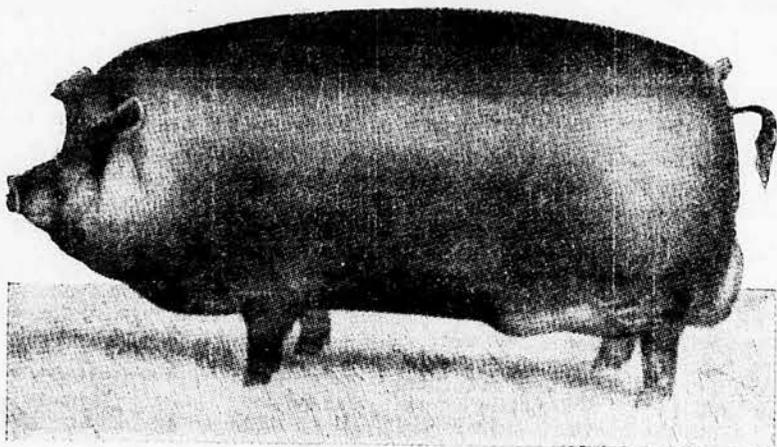
C. B. WARKENTIN, Newton, Kansas

Auctioneers—John D. Snyder, J. P. Olivier. Fieldman—A. B. Hunter.

Samuelson Brothers' Fourteenth Annual Duroc-Jersey Bred Sow Sale

At Farm Near

Blaine, Kan., Friday, March 5



40 Head of Spring Gilts sired by White House Martial and Valley Col., and bred to Cherry Boy, a son of Cherry Top. The offering is uniform in size, well developed, perfection in color and in excellent condition as brood sows. They were selected from our spring crop of pigs; they are bred for April and May farrow. Sale will be held in large new commodious sale pavilion; no postponement on account of the weather. Free transportation from Blaine for parties from a distance. J. W. Johnson will represent this paper; send bids to him in our care at Blaine, Kansas.

SAMUELSON BROS., Blaine, Ks.

Auctioneer, Jas. T. McCulloch.

The Season's Greatest SHORTHORN SALE

Will be made by the Nebraska Shorthorn Breeders

Grand Island, Nebraska

Thursday, Mar. 11-12, 1915 and Friday, Mar. 11-12, 1915

75—Of the Choicest Bulls—75

50—Extra Select Females—50

Every one of good pedigree, in the best of thrift and all personally selected for this sale. This offering represents the best of the choicest herds of Nebraska and is made with the sole thought of affording the buyer the best of selections and to further, if possible, the production of better beef cattle throughout the West. The contributors are among the best breeders of America, and cattle to suit any fancy are listed. Those in search of real herd bulls will find them here. Also the ranchman in search of a car or more of good strong bulls will find this the only sale of the season where they may be had. The contributors are:—Geo. Allen & Sons, Lexington; H. H. Kuper, Humboldt; K. F. Dietsch, Orleans; Blank Bros. & Kleen, Franklin; Wm. Fagan & Sons, Abbott; S. A. Nelson & Sons, Malcolm; Howell Rees & Son, Pilger; L. R. White, Lexington; M. C. Hanson, Elba; Rogers & Boicourt, Minden; R. Harshbarger & Son, Humboldt; Sample Bros., Belgrade; W. C. Taylor, Clarks; Irvin E. Wilson, Belvidere; E. A. Shoebottom, Fairbury; Milton Coffman, Fairbury; G. W. Shayne, Fairbury. These men have helped make the Shorthorn the most popular of all breeds in the Central West and they give you of their best in this sale. Special accommodations have been provided for all who attend. Plan to be on hand. Col. H. S. Duncan, auctioneer. Mention the Farmers Mail and Breeze and apply for the catalog. Address

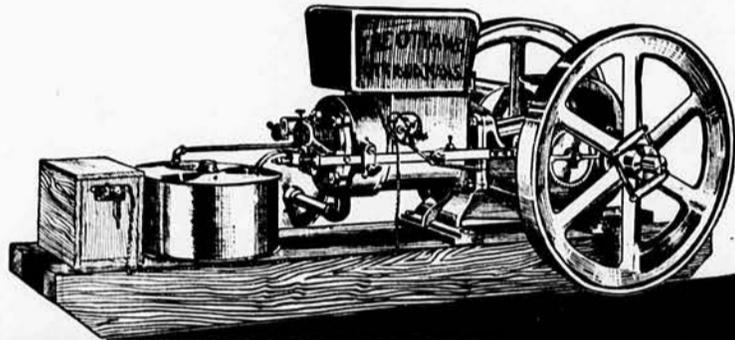
J. C. PRICE, Mgr., 145 S. 28th St., Lincoln, Neb.

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We Are Leading Manufacturers of Guaranteed, Maximum Power Gasoline ENGINES and Double-Strength, "Money-Back" FENCE

BUY DIRECT From Factory and SAVE Three Profits!

For fourteen years we have been saving big money for American farmers. We have been selling the entire output of our two big factories direct to the user of the goods at prices way below anybody else for fence or engines of equal worth. Ottawa goods are known throughout America as goods of highest quality.



Ottawa gasoline engines are furnishing power on thousands of farms, large and small, throughout all the West. Ottawa double-strength wire fence is recognized everywhere as the most dependable fence that has ever been made—the fence that will outlast any wire fence of any make regardless of price. And we sell the entire output of our two great factories with one organization at one expense, and all direct to the American farmers.

100,000 Satisfied Customers!

Your name may already be on our books as a satisfied customer—many hundreds of readers of this paper have been Ottawa Customers for a great many years, and every Ottawa customer is an Ottawa enthusiast. More than 100,000 intelligent and successful farmers of the West have purchased Ottawa gasoline engines and wire fence. Very likely your next farm neighbor is an Ottawa customer and can show you an Ottawa engine or fence in service on his farm.

6 H-P Very Special Price Only \$96⁷⁵—

**Gasoline, Gas, Alcohol, Kerosene or Distillate
All Sizes From 1½ to 15 H. P.**

When you have purchased an Ottawa Gasoline Engine and put it to the most severe tests you can think of, you will agree with the thousands of other Ottawa owners who declare that this engine gives a greater amount of power per dollar of cost than any engine ever built.

In the first place our location down here at Ottawa is one great, big factor in our favor. We are near the source of supply of raw materials, in the center of a great farming territory, have a relatively smaller investment in lands and buildings than we would have if we were in a large city, and secure highest grade and most dependable labor at a lower rate than could be secured by any big city manufacturer.

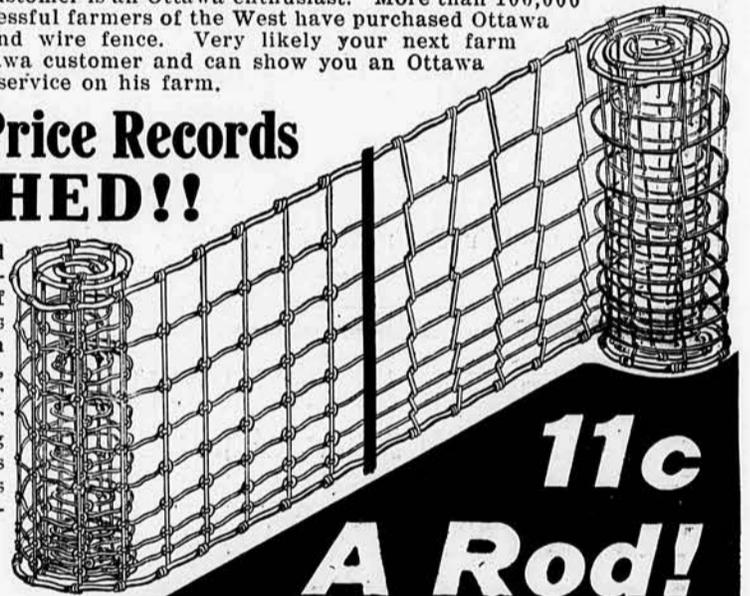
All of this enables us to put the very finest materials and the most careful workmanship into every Ottawa engine.

So it is not so difficult to understand why we can sell you the world's most dependable and most efficient 6 H. P. Gasoline Engine on our factory-to-farm plan for only \$96.75. Every other engine in the Ottawa line is a bargain equally as great. Every engine is sold under a binding money-back guarantee with the understanding that it must satisfy you completely or it comes back to us and you pay nothing for the test. Every engine is guaranteed to generate more than the rated horse power and to produce this power at the smallest expense of any gasoline engine ever built!

Get the big illustrated Ottawa engine catalog and learn more about this famous line of power producers.

All Low Price Records SMASHED!!

We have smashed all low price records. In proof of this, note the items we are featuring in this advertisement, and for further proof, get either or both of our big illustrated catalogs and compare values and prices for yourself.



164 STYLES of Guaranteed "Money-Back" FENCE

When you see the size and the quality of the fence we are offering at 11c a rod you will realize that we must have a tremendous lot of satisfied customers and do an enormous business to enable us to give such quality and quantity for a price so small.

We have the largest and most desirable line of wire fencing ever sold direct from the factory on the mail-order plan. We manufacture 164 different sizes and styles—and every item a bargain item.

Our own patented manufacturing process is used in making Ottawa fence—The Ottawa "non-Slip" tie is the most valuable idea ever used in wire fence making. It is positively guaranteed not to slip—it will hold under all conditions. Ottawa fence is guaranteed "every inch perfect"—it is heavily galvanized and will withstand all weather conditions. Every rod is sold with the understanding that it must prove satisfactory to you or your money will be refunded. We would be glad to send you, free and postpaid, a copy of our big book "Wire Mill Prices"—the most interesting and most complete wire fence catalog ever issued.

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7	H. P. "	114.75
8	H. P. "	135.50
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To every reader of this announcement who is interested in the purchase of gasoline engines or wire fence, we shall be very glad, indeed to mail free and postpaid a copy of our gasoline engine catalog or wire fence catalog—or both catalogs if you desire them. Simply write your name and address on the coupon which calls for the catalog you desire—or use both coupons, mailing them to our address as given below, and we will immediately send catalog free and postpaid, and will present for your consideration the most convincing money-saving opportunity ever presented by any American manufacturer. It costs you only a 2-cent stamp (or a 1c postal card if you prefer) to write for our catalogs. That little investment will possibly show you a money-saving opportunity very much worth while.

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Gentlemen: Without obligation on my part you may send me, free and postpaid, your 40-page catalog of wire fence, gates, etc.

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