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IMPROVED SEED WHEAT

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Professor of Agronomy Kansas Experiment Station.

There has been a great deal of interest developed during the last two or three years in better seed wheat for Kansas. Kansas is noted for her hard red winter wheat, the best flour-making wheat in the world. The Turkey wheat was introduced into this state some twenty-five years ago from Russia. Several large importations of Russian wheat have been made since that time, but there have been none of very recent date in large quantities. During the past seven or eight years several hundred varieties or samples of wheat secured from all parts of the world have been tested in trial plots by the Experiment Station at Manhattan, Fort Hays and McPherson. Of the hundreds of samples of wheat tested in this state comparatively few have proven superior both in yield and quality of grain.

A TEST OF VARIETIES OF HARD WHEAT.

Eighty-two varieties or different samples of wheat were grown in the trial plots at the Manhattan Station last season. In table I are given the 1909 yields and the average yields for two, three and five years of the better producing varieties of hard red winter wheat which have been tested three years or longer.

IMPROVED SEED WHEAT.

It will be observed that of these nineteen varieties eighteen are the hard red bearded type of wheat commonly known as Turkey. The Ghirka is the only exception; this is a beardless wheat, having a hard red grain similar to that of the Turkey. This variety has been greatly improved in quality by selection and is gradually improving in yield, equalling the Kharkof in 1909.

PROMISING NEW VARIETIES TESTED IN 1909.

In 1907 the Kansas legislature authorized the State Experiment Station to investigate the wheat of foreign countries, with a view of importing seed wheat. Such investigations were made by Burkett and Roberts in Europe and Siberia and by TenEyck in Alberta, Canada. The report of these investigators was adverse to importing large quantities of foreign grown seed wheat. They recommended the importation of small quantities of the choicer varieties for testing, and the selection of the best of these for propagation, to secure sufficient quantity of seed for distribution. A number of such varieties were secured and planted at Manhattan, Fort Hays and McPherson. Twenty-six of these varieties of Russian wheat were planted at Manhattan in the fall of 1908. Six of these entirely winter-killed. A few of the varieties gave excellent results in the single trial. The yields in 1909 of several of the best producing varieties are as follows: Banatka, 55.26; Champanka, 53.06; White Awnless, 52.27; Ozucka, 51.14; Russian No. 1208, 50.97; Byelokolasska, 50.67; Egyptian, 50.26, bushels per acre, respectively.

Six samples of wheat from Alberta, Canada, were planted at Manhattan. The three best producing varieties gave an average yield last season of 55.11 bushels per acre. A sample of Turkey wheat from Montana, just south of the province of Alberta, made a yield of 50.81 bushels per acre, while a sample of "Old Turkey," secured from S. A. Renner, Rush Center, Kan., yielded 52.19 bushels per acre. This wheat is also of superior grade and quality. Mr. Renner has grown this Turkey wheat in Rush county for more than twenty years.

TEST OF VARIETIES OF SOFT WHEAT.

While the "hard red winter" is the type of wheat generally adapted for growing throughout central, western and northern Kansas, in the eastern part of the state, and especially in the southeastern counties, the soft red winter wheat succeeds as well or often better than the hard red winter wheat. In some of the eastern counties of the state the hard and soft types of wheat may produce equally well, but in these counties the hard wheat is usually better adapted to the upland and the soft wheat to the bottom land and more fertile soil. In the wetter, warmer climate of southeastern Kansas hard wheat rapidly deteriorates in quality, becoming soft. A good grade of soft wheat may be produced under such conditions and it will usually lodge less than hard wheat. Soft wheat becomes harder when grown in the counties further west, but does not become a true hard wheat, and is hence not adapted for these western counties.

There is no grade or market for a wheat which is neither "hard" nor "soft." There is a growing demand for improved seed of soft red winter wheat in eastern Kansas and in the states south and east of Kansas. A few varieties of soft wheat have been grown each year at Manhattan and at McPherson, in comparison with the hard wheat.

Seed for distribution was grown on bottom land in 1909. The yields of the several varieties on the bottom land are as follows: Zimmerman, 33.7; Fulcaster, 32.9; Fultz, 32.0; Currell, 29.9; Sibley's New Golden, 29.8; Kentucky B347, 29.7; Mediterranean, 20.5; Niger, 29.0; Oregon Red, 28.2; Poole, 27.8, bushels per acre, respectively.

It will be observed from the above data that Fultz, Currell, Fulcaster and Mediterranean are among the best producing varieties. The Zimmerman, though an excellent producing wheat some years, is variable; because of its early maturing character it is apt to

be injured by late frost in the spring. This is a standard variety and very commonly grown in eastern Kansas, and is better adapted for growing in the northern than in the southern counties of the state.

PROPAGATION AND DISTRIBUTION OF SEED WHEAT.

In order that the testing of varieties of wheat or other grains by the Experiment Station shall become of permanent value to farmers, seed selection, propagation and the distribution of the improved seed has been a special feature of the work of the agronomy department. Some varieties of wheat are superior to others in hardiness, quality and productiveness. The tests at the experiment station have been verified by the reports received from farmers who have planted the College-bred seed. A farmer is well repaid for planting the purer seed of one of these better producing varieties.

During the four years preceding 1909 the Experiment Station, through the agronomy department, distributed 3995 bushels of improved seed wheat among 638 farmers in 90 counties of this state. A small quantity of seed has been distributed in Oklahoma and other states. The Fort Hays Branch Experiment Station during the last five years has distributed 3980 bushels to 563 purchasers, mainly in the western counties of the state. The McPherson Co-operative Station has also distributed small quantities of good seed wheat. The crops from this better wheat have been largely saved for seed and planted again by the growers and their neighbors, and it is a safe estimate that 200,000 acres of this improved wheat were grown in the state last season, and two or three million acres of this wheat may doubtless well be planted in the fall of 1909.

The distribution of this improved seed has already increased the average yield of wheat in several counties, and it is not only possible but probable that several million bushels will be added to our Kansas wheat crop in 1910 through better seed alone, and there should be a corresponding improvement in the grade or quality of the grain.

WHEAT SOLD BY AGRONOMY DEPARTMENT, FALL OF 1909. HARD WHEAT.

Kharkof, No. 382—300 bushels. A hard red winter wheat of the bearded Turkey type. One of the best producing varieties and an excellent milling wheat, as shown by the tests at this station and by several trials by millers on a large scale. This variety is well adapted for growing through the central and western part of the state, the hard wheat belt. It succeeds well also in eastern Kansas wherever hard wheat is adapted to growing.

Turkey Red, No. 380—400 bushels. Similar to Kharkof; perhaps a trifle harder and darker in color, especially in eastern Kansas, where Kharkof is apt to be lighter in color and softer, containing some yellow berry.

Turkey Red, No. 570—50 bushels. Similar to Turkey No. 380, having a little smaller berry, but of good quality.

Malakoff—22 bushels. Similar to Turkey No. 570. Recommended for eastern and northern Kansas.

Bearded Fife and Defiance—40 bushels. These varieties are similar, being the Turkey type of wheat and very excellent yielders at the station and in eastern Kansas, but not so well adapted for growing in the counties further west. Berries fully as hard



A Concrete Proposition

"This is the farm cement built,— house, stable, silo, tanks, walks fences, everything. There's a sense of security and durability here."

as the Kharkof when grown in the eastern counties, but more inclined to yellow berry in the wheat belt counties, and not good varieties for resisting drouth.

IMPROVED SEED WHEAT.

Crimean, No. 1125—90 bushels. Similar to Kharkof, but lodges less in wet seasons and gives a better quality of grain. This variety is well adapted to south-central Kansas, as shown by the tests at McPherson. The wheat is of more recent importation than the Kharkof, and may prove superior to the Kharkof in the warmer, wetter climates.

Hard Red Winter, No. 839—20 bushels. This variety of wheat is of the Turkey type, and has been grown at this station since 1900. The sample came from Iowa, and was doubtless from an early Russian importation. This variety has been given careful selection at this station and has been improved in productiveness and in quality of grain. No better grade of wheat is produced on the station farm than this hard red winter. This variety has not succeeded so well at Fort Hays and cannot be recommended for the western part of the state, but should give good results in the central and northern counties.

Ghirka—100 bushels. This is the only variety of beardless hard red winter wheat which has proven worthy of continued trial and propagation. The agronomy department has improved this wheat by selection and its yield has gradually increased, being equal to that of the Kharkof last season. The wheat is not fully pure, but contains about two per cent. of bearded heads—evidently a cross, which is very difficult to breed out. The grain is somewhat smaller than the Kharkof, but of good color and quality. This variety has the advantage of being beardless, and can be recommended for trial throughout the hard wheat belt, and especially for the south-central part of the state, since it gives equally good results at the McPherson Station.

SOFT WHEAT.

Zimmerman—30 bushels. A soft or semi-soft red, beardless wheat. One of the earliest maturing varieties and a fairly good producer, but somewhat uncertain since it is more apt to be injured by late frosts in the spring than other later maturing varieties. On this account the variety is not recommended for the southern part of the state, but succeeds well in the northern and the southeastern counties, where it is quite extensively grown. The Zimmerman is an old standard variety.

Fultz—125 bushels. A soft red, beardless wheat. An old standard variety, more generally grown perhaps throughout the soft wheat belt than any other variety. This is the red Fultz; our strain is not fully pure, containing about two per cent. of bearded heads, which appear to be a cross, since we have not been able to eliminate the mixture by selection. Otherwise this is an excellent strain of Fultz wheat and produces well at this

station. It may be recommended for growing in the eastern and southeastern parts of the state.

Currell—20 bushels. Soft red, beardless wheat, but with brown chaff. Quality of grain similar to that of the Fultz variety. Appears to be well adapted for growing in the southern part of the state.

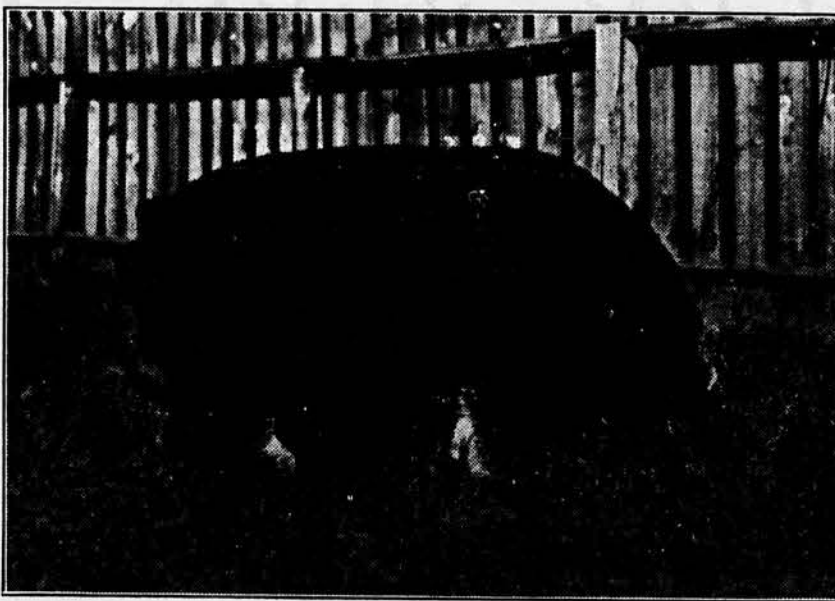
Fulcaster—140 bushels. A soft red, bearded wheat. A good producer and generally adapted for growing in the soft wheat belt. Quality of grain similar to that of the Fultz. Does not shatter—a fault which is characteristic of many other bearded varieties of soft wheat.

Mediterranean—20 bushels. A soft red, bearded wheat. Grain somewhat larger but similar to the Fulcaster. A good producer, but shatters some when fully ripe.

The above varieties of wheat sold at \$2 per bushel for graded seed sacked, f. o. b. Manhattan. The wheat crop at the Fort Hays Branch Station

time. Visiting many of the farmers who are growing college-bred wheat. He made a personal inspection of their fields, noting mixture with other grain, with other varieties of wheat, and other general characteristics of the crop. The department also sent out several hundred blank forms asking for reports from growers who had secured seed from this station or from the Fort Hays Branch Station. In this way nearly one hundred growers have been listed who have college-bred seed wheat for sale. The whole amount listed aggregated 88,000 bushels of fairly pure seed wheat. Attention should here be again called to the fact that pure wheat cannot be grown on ground that has volunteer wheat of different variety upon it.

A large number who replied to our letter or who were visited by Professor Knight stated that they would use their entire crop for seed, or that their surplus seed wheat had already been spoken for by neighbors. Thus



Collosus 129077, champion Poland China boar at Nebraska, Kansas and Oklahoma State Fairs. Owned by H. C. Dawson's Sons, Endicott, Neb.

was entirely destroyed by hail. Parties desiring to purchase College-bred seed wheat are referred to growers who have previously secured seed from the Experiment Station. A list may be secured by addressing the agronomy department, Manhattan, Kan.

SEED WHEAT FOR SALE BY GROWERS.

A bulletin, published last winter, gave information regarding the work of the College and Experiment Station in testing and distributing good seed wheat.

A systematic effort has been made to locate and list the growers of good wheat who have seed wheat for sale this fall. Prof. C. S. Knight, assistant in the agronomy department, made a trip through a number of the wheat counties of the state about harvest

time. Visiting many of the farmers who are growing college-bred wheat. He made a personal inspection of their fields, noting mixture with other grain, with other varieties of wheat, and other general characteristics of the crop. The department also sent out several hundred blank forms asking for reports from growers who had secured seed from this station or from the Fort Hays Branch Station. In this way nearly one hundred growers have been listed who have college-bred seed wheat for sale. The whole amount listed aggregated 88,000 bushels of fairly pure seed wheat. Attention should here be again called to the fact that pure wheat cannot be grown on ground that has volunteer wheat of different variety upon it.

Genuine Catalpa Speciosa Seed Scarce.

While the President of the United States some time ago so realized the depletion of our forests and natural resources as to call a convention of the Governors and learned men to take steps for conserving our timber and the states and United States Agricultural Departments are doing much in the way of urging the planting of Catalpa Speciosa for our future

timber supply; it is to be regretted that the people do not realize the necessity of procuring only the genuine Catalpa Speciosa. The Catalpa Speciosa is a timber that is making an average growth of one inch per year and has proved to be most valuable for posts, telephone poles, cross ties and is proving a valuable lumber for not only its lasting qualities, but has a grain that works up in furniture veneer and other furniture lumber, while the Bignonoides and other common varieties are only scrub trees and worthless for most any use and result in a great loss to the planter.

The fact that your readers are not posted in these matters means a loss of thousands of dollars to them. Again the great danger is the fact that so universal is this mistake being made that the grave question is whether it will not in time result in loss of interest in planting the genuine Catalpa Speciosa, which offers one of the greatest sources of income to the farmer and helps to solve the question of future timber supply.

It is not the planter alone who is not posted, but a large number of nurserymen who buy what they suppose is pure Catalpa Speciosa seed of seed houses and get a hybridized seed. This seed is a cross between the Speciosa and common varieties and has so many ear marks of the Speciosa that it fools many honest nurserymen and seed houses. Seed houses make the mistake of buying seed in large lots from seed collectors who are only interested in the number of pounds they can gather.

The genuine Catalpa Speciosa can only be procured by having it gathered at great expense and by experienced help. It was ten years in growing these seedlings by the million before we could procure sufficient genuine Speciosa for our own use, although we refused thousands of pounds of so-called Speciosa. Here at Winfield, Kansas, are large numbers of catalpa trees bearing thousands of this seed, yet we do not know where one hundred pounds of pure Catalpa Speciosa seed could be gathered in this county.

Don't look for cheap Catalpa Speciosa. The germinating qualities of this seed are only about one-fourth that of the common catalpa. Add to this the scarcity of the seed and you will have some idea of the cost of the genuine Speciosa.

While we grew 8,000,000 Catalpa Speciosa this year, one order has already taken 700,000 for Indiana and yet many parties wanting small plants write that our prices are too high.

First be sure you get genuine Catalpa Speciosa or plant nothing, then consider the price and if the nursery you are dealing with is a reliable concern, do not stop there, but be sure that they are posted.

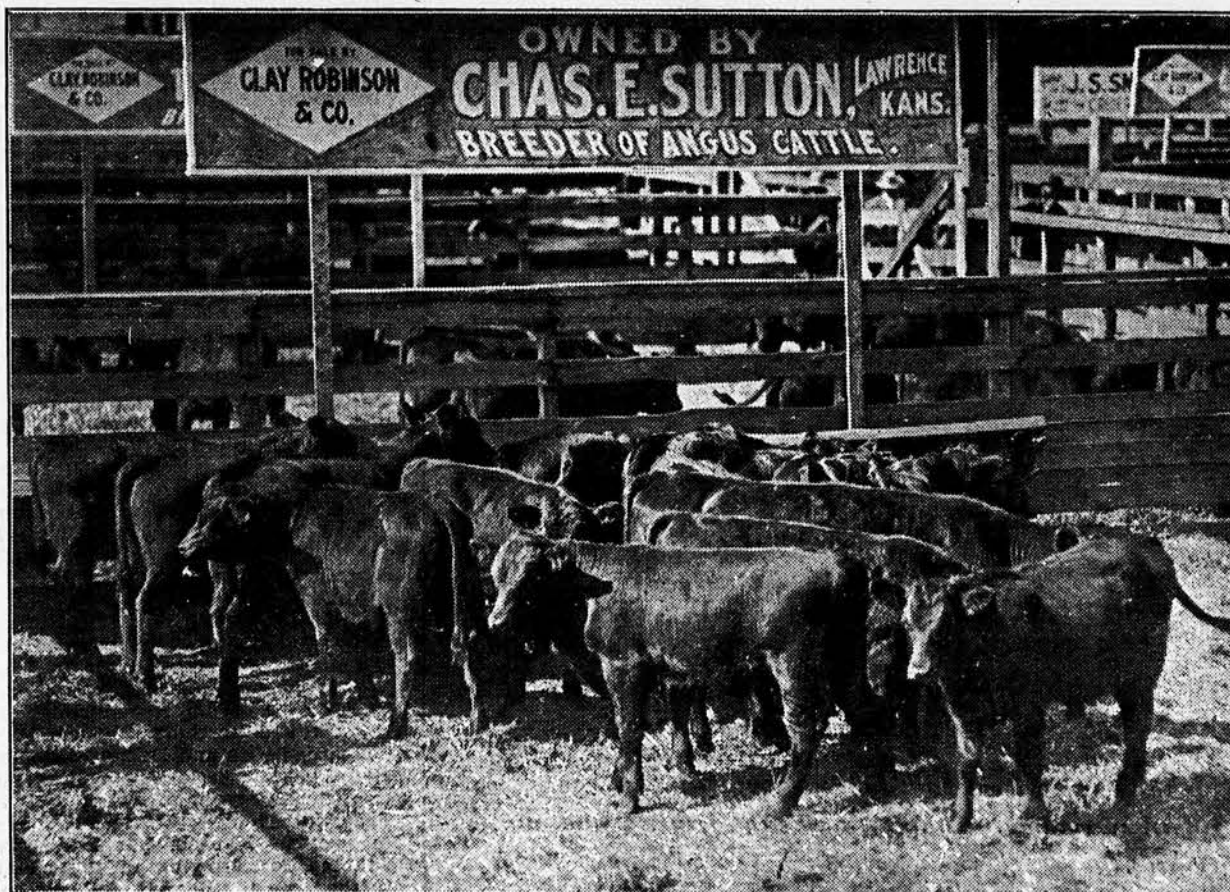
Following we quote from the November Arboriculture of 1907: "In the autumn of 1906 at very great expense I employed thirty men for an entire month, paying high wages, boarding part of the men at hotels, besides paying my own and their traveling expenses. The entire cost was a little over \$2,000. For this outlay of money and labor I secured 1,000 pounds of the genuine Catalpa Speciosa seed. The most of this was distributed, gratuitously, to all parts of the work."

"First I sent a quantity to each botanical garden of the world, next to all societies of forestry in Europe; then from five to ten pounds to each experiment station of the United States and lastly to nearly every prominent nurseryman in America, I sent a generous package for testing with what they have been planting."

"At the same time sundry parties in Kansas and Nebraska collected 25,000 pounds (five hundred million of seeds) which were sold to nurserymen, seed dealers and individuals and this has produced fully 100,000,000 trees."

"Responsible parties purchased several hundred samples of this catalpa seed, of a score of dealers and collectors, almost the entire lot of which was binonioides, kempferi and various hybrid seeds. Scarcely a sample showed speciosa characteristics."

"Until the public and especially the seed dealers and nurserymen learn to distinguish these various sorts of catalpa and cease collecting seed and growing trees of worthless varieties, it will be uphill work endeavoring to teach the world the value of genuine Catalpa Speciosa."



Grand champion car lot at the American Royal. Won by the Sutton Farm's Aberdeen Angus, of Lawrence, Kan.

The American Royal Live Stock Show

In 1899 the enthusiastic breeders of Hereford cattle held a show of their favorite whitefaces adjacent to the stock yards at Kansas City. It was not a big show, and it contained nothing but Hereford cattle in the way of live stock, but it was successful. The great \$10,000 bull, Dale, was made grand champion, and Dolly 5th was grand champion cow, and both of these belonged to F. A. Nave of Attica, Ind. In 1900 the Shorthorns were admitted to this small show with the big name and Captain Leonard of Bellaire, Mo., there started the reputation which Lavender Viscount shortly made while the great Ruberta, then owned by J. G. Robbins of Horace, Ind., made her first appearance in the big western rings. Of course the Herefords were the big end of the show and Gudgeon & Simpson carried away the grand champion premium for cows on their wonderful Mischief Maker while Thos. Clark got the purple ribbon on Perfection.

From these very small beginnings the American Royal has grown. First, by adding the Shorthorns in 1900, then the Galloways in 1901 and the Aberdeen Angus in 1902. Now no breed is excluded and horses and mules vie with the cattle in drawing the attention of the crowds that assemble.

Heretofore, the American Royal has been handicapped by lack of a proper home. It is still so handicapped

The Eleventh Event is Bigger and Better than Ever Before

the other breeds of cattle shown here. As this has always been a Hereford show and as the best of Herefords have always appeared in its ring it would be a distinct disappointment if the exhibition in this breed were not extremely high class at Kansas City. This high class quality was decidedly in evidence this year and it is doubtful if a better showing of the breeds has appeared or will appear this year. Noted breeders with their herds were present and every ring was hotly contested. Our report of awards will show the quality of the work the judges had to do but cold type can not express the difficulties they must have experienced in deciding just where to tie the ribbons in some classes.

Kansas stepped well to the front in all the cattle rings but in doing so simply held her place. With the Aberdeen Angus Kansas has always been strong so far as quality is concerned, and there would appear to be room for more herds in this state. The breeders of the black doddies point with great satisfaction to the wonderful record they have made in the fat

show and the only regret one can express is that the management is hampered for room in which to give it a proper setting. If it were possible to procure larger grounds the show would give more satisfaction to some though it is true that the management has utilized the space at its command in such manner that the interest of the visitor begins from the moment he enters the gate and never ceases until he returns to it.

One of the educational features of special value in this show is the exhibit of carload lots of cattle and in this Kansas gave a good account of herself.

Another and perhaps more important one was the students' judging contest which was conducted under the management of Assistant Secretary W. L. Nelson of the Missouri State Board of Agriculture and in which teams from Missouri, Iowa, Kansas and Nebraska competed. This is the third contest of this kind at the American Royal and the first appearance of the Nebraska Agricultural College team. The scores, by teams, were as follows: Missouri, first prize on 4,202 points; Iowa second on 4,114 points; Kansas third on 3,982 points and Nebraska fourth on 3,975 points.

The scores of the individual winners were:

C. M. McWilliams, Missouri.....	885
John E. Ryland, Missouri.....	860
J. J. Thompson, Iowa.....	838
R. W. Cassady, Iowa.....	833
L. A. Weaver, Missouri.....	822
Thos. E. Clarke, Kansas.....	821
H. Hackedorn, Missouri.....	821
V. S. Culver, Nebraska.....	821
A. J. Osthund, Kansas.....	820
W. D. Austin (Kan.) Ind.....	819

The animals selected for judging by the agricultural college students were as follows:

Horses—Percheron, Shire, German Coach.
Cattle—Hereford, Shorthorn, Galloway, Angus.
Sheep—Oxford, Cotswold, Hampshire, Shropshire, Southdown.
Swine—Berkshire, Duroc Jersey, Chester White.
Mules.

Aged animals were chosen in most cases, though in some classes 2-year-olds were used.

It has always been the custom to hold sales of pure bred cattle at the American Royal and these sales have become famous. They are conducted by the breed registry associations and are made up of animals contributed by the members.

Royal sales of pure bred stock are always considered as being an index of the condition of the market for breeding animals and those animals and their owners who win the distinction of topping these sales gain about as much prestige as do those who win in the show rings. As giving an idea of the cattle situation indicated by

these sales we print the summary of each:

Shorthorns: 12 bulls, \$2,465, average \$205.42; 31 cows, \$7,635, average \$246.29; 43 head, \$10,100, average \$234.88.

Herefords: 32 bulls, \$5,930, average \$185.31; 17 cows, \$2,230, average \$131.17; 49 head, \$8,160, average \$166.53.

Aberdeen Angus: 12 bulls, \$1,752.50, average \$146.04; 18 cows, \$1,702.50, average \$94.55; 30 head, \$3,455, average \$115.17.

Galloways: 12 bulls, \$1,385, average \$115.42; 18 cows, \$1,965, average \$109.17; 30 head, \$3,350, average \$111.66.

The awards in the different prize rings were as follows:

(Continued on page 18.)

Selling Prices of Beef Cattle.

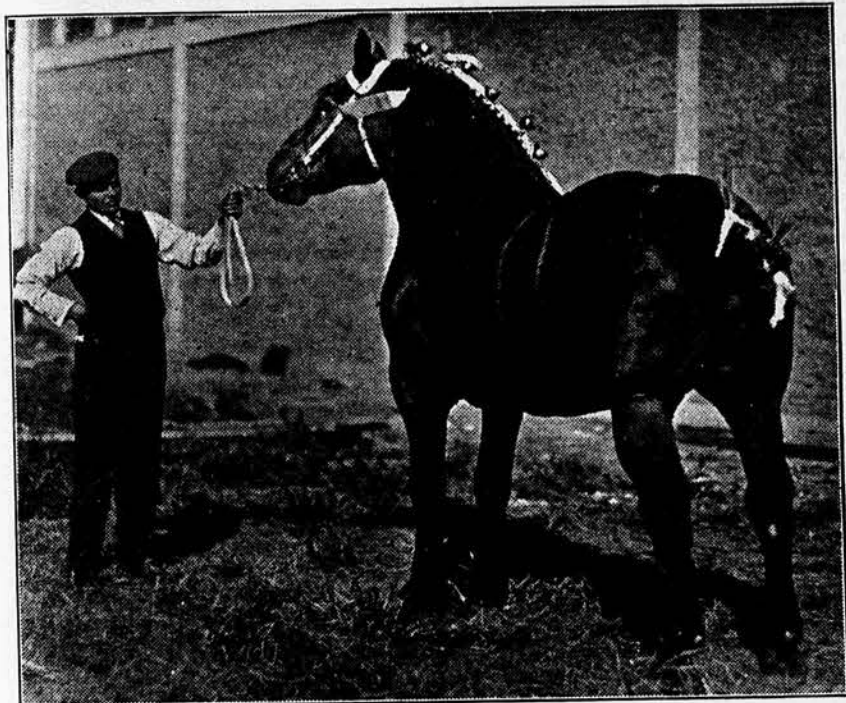
Below is a record of prices obtained for pure bred beef cattle at the sale of the American Royal for a series of years. Readers will not be hasty in drawing conclusions as to the comparative values of the different breeds. Be it remembered that the Angus and Galloways are not sought after in the southwest as farther north. These sales are held in Shorthorn and Hereford territory. If the sales had been held in the north, the territory in which the black breeds are in favor, the blacks would no doubt have outsold the reds.

Herefords—	Number Sold.	Average.
1908	52	\$172.69
1907	51	148.23
1906	47	192.66
1905	57	215.26
1904	56	186.26
1903	22	175.90
1902	27	275.37
1901	43	244.06
1900	98	339.69
1899	152	306.51
Shorthorns—		
March 3—Petty Bros., Sedalia, Mo.		
1908	46	\$180.43
1907	51	234.21
1906	58	179.50
1905	56	228.01
1904	53	186.98
1903	15	203.00
1902	12	312.08
1901	12	477.91
1900	47	35.64
Galloways—		
1908	33	\$ 91.21
1907	48	124.06
1906	49	103.87
1905	58	102.00
1904	50	124.80
1903	24	90.82
1902	29	122.58
1901	22	144.09
Angus—		
1908	40	\$ 85.87
1907	37	100.67
1906	21	97.15
1905	52	104.81
1904	50	113.90
1903	24	103.85
1902	28	125.00

J. E. Weller, Faucett, Mo., offers some good Duroc boars of February farrow for sale. These are offered for the farmer trade. He is also offering the second prize yearling boar at St. Joseph stock show a pair of spring boars by Buddy K 4, from a Hanley dam that are herd headers. Write him if in need of anything in this line or for sows or gilts.

Percherons at Kirksville, Mo.

This week we claim Nov. 15 as the date for S. J. Miller's big Percheron sale at Kirksville, Mo. The sale will contain 35 head of mares and stallions, 30 of which are imported. Also a couple of jacks and some standard bred stuff. Watch Kansas Farmer for further announcement but write now for catalog if desired and mention Kansas Farmer.



Furibonde 43251, champion Percheron stallion at the American Royal. Owned by McLaughlin Bros., Kansas City, Columbus and St. Paul.

though very much less so than formerly. The management has erected a permanent show pavilion to take the place of the tent that has been used for ring purposes all these years. This has added greatly to the comfort of the visitors and to the satisfaction of the exhibitors. A large number of herds or groups may now be shown at one time and well within view of the great audience seated in the amphitheater. Ample room is given for the display of horses of all classes and the combination of the American Royal with the society horse show has added a very popular feature which has served to strengthen both. The society event is given in the evening after the day's exhibition and wards have been made.

The writer of this has been present at every American Royal as well as at most of the larger live stock exhibitions that have been made in the corn-belt states in the last dozen years. It is his firm belief that he never saw a stronger showing of Shorthorn cattle than appeared in the ring of the eleventh American Royal. Of course the crack herds of the whole country were there and the competition was of the keenest, but the show in general was of such a quality that it indicated a very great advance in modern breeding methods in the adoption of a uniform type by all the breeders. Formerly, many good Shorthorns were shown in this and other shows but they were distinctly different as to type. Now, the more advanced breeders especially, all seem to be working toward a uniform type which is ideal. The same can be said in regard to

classes in the half dozen years past. They also gained great satisfaction from the fact that the ultimate test of all good cattle is to be found on the block and this is the place where the Aberdeen Angus excel.

After the showing made by the Kansas Agricultural College with their Galloway steer it would seem that the other black breed is also entitled to very great consideration. It is possible that the Galloways are not so well known as other breeds but this certainly must be due to the lack of a proper exploitation rather than to any lack of merit.

The showing of draft horses was up to standard. Ever since they were admitted to the American Royal they have served to attract a great deal of attention in sale stables and were obliged to show in the open air away from the American Royal proper. Now they are accommodated at the horse barns and shown to the greatest advantage in the new pavilion. There is always something fascinating about a horse show and this year the interest was increased by the addition of Shetland ponies, jacks and mules to the list of heavy drafters and French and German Coachers.

The swine show was perhaps not so large as was anticipated, but it is doubtful if anybody would criticize the quality of the animals in their pavilion. A part of this building was given over to the display of sheep and goats, and another part to poultry, which appeared for the first time on the grounds of the American Royal.

Taken altogether it was a great



Jim, champion Galloway steer at the American Royal. Owned by the Kansas State Agricultural College.



The race of life is short and much depends on the start.

Only one kind of luck has ever given us results—it's the kind spelled w-o-r-k.

"Our enemies are quite as sure as our friends to know of our doings and our only safe way is to do what they might know of without any discredit to ourselves."

Right thinking and right doing bring men into a great deal of trouble in this world. The Lord has not promised to keep His children away from trouble, although he has promised to deliver them out of their troubles.—White's Class Advertising.

"Some people are like mirrors. They cannot be original, but have to reflect things that have already been done." It is better to have been a mirror and reflect the good done by others than to have been a dub and neither originated or reflected anything.

One of the most serious farm losses results from the planting of seeds of inferior varieties and seeds of low germinating power. Often the varieties are not at all adapted to the soil and climates in which they are planted and a small yield follows. Often the varieties are well selected but the seed has low germinative power and a thin stand or no stand at all results. In either case the farmer is a heavy loser. Buy seed of best varieties adapted to your locality and know if possible before buying that the seed will grow. Simple tests will determine germinating quality.

Time flies rapidly and six months will soon roll around. At the end of that time farmers will be wondering whether or not the first cutting of alfalfa will be ruined by the rain. Now, KANSAS FARMER wants you to investigate this winter the cost of canvas hay caps. Get these figures from your hardware dealer. If he does not deal in canvas he can get the information. It is our judgment that in the latitudes of eastern and central Kansas no alfalfa grower can afford to get along without hay caps. The saving from rain of one crop of hay will pay for them. The caps will last many years. Investigate!

That the affairs of Kansas State Agricultural College have been well conducted and that the strictest economy has prevailed is evidenced by the fact that the total annual cost to the state per student for the past year was about \$111, which is over forty per cent less than the average annual cost of the twenty-two state institutions of the middle west. If the great Kansas institution is doing its students as much good as the institutions of other states are doing their students then the showing is highly commendable. It should not be a question of how cheaply our boys and girls can be instructed, but how well.

It is estimated that there are about seven million farmers' families in the United States today, taking the word farmer in its broadest sense and including all families living in the open country. Of those it is estimated that in the few years since the rural telephone has been considered seriously, more than two million have adopted it and it is rapidly being extended.

The rural telephone born of necessity and of vital benefits to the farmer has as its further recommendation, its accessibility to the entire population of farmers, many of whom cannot be reached by rural free delivery or good roads for generations to come.

Large figures used in reporting alfalfa yields are no longer looked upon with suspicion. The fact is that no man dare say with certainty what an acre of alfalfa will not yield in tons of hay or in money received from seed. John Fasha, one of Decatur county's best farmers, writes this editor that he recently thrashed 135 bushels of alfalfa seed. This was the crop from 15 acres making a yield of 9 bushels per acre. He was offered \$8 per bushel for it at the machine, which made him \$72 per acre for the crop

KANSAS FARMER

EDITORIAL

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ADVERTISING RATES—25 cents per agate line, 14 lines to the inch. Announcements of reputable advertisers respectfully solicited. No medical nor questionably worded advertising accepted. Forms close Monday.

OUR GUARANTEE—It is our belief that all advertisements in this paper are from reliable persons or firms. To show that we are in earnest in protecting our subscribers we guarantee the trustworthiness of our adver-

beside several tons of hay cut earlier in the season. Is it any wonder that Kansas land is in demand or that her farmers are prosperous?

Admiral Charles Beresford of the British navy, was in Kansas City last week to receive the proceeds from the sale of 1,000 fat steers shipped from his ranch in New Mexico. The Admiral talked interestingly to the newspaper reporters and incidentally told why the meat eaters of this country do not get the best beef. He said: "England and Europe get the best grades of beef killed here. The reason for this is that the cattle raised over there are fatter and heavier and grade higher than the average American beef. To compete with the English raised beef, the American packer has to send over the best meat that he can secure. There is a big demand for the American meat and the American packer is supplying it nicely."

The regents of Kansas State Agricultural College have made a fortunate selection in filling the vacancy in the department of animal husbandry made by Prof. Wheeler when he became a member of the farmers' institute staff. Prof. F. G. King, of Missouri, has been elected to succeed Prof. Wheeler as assistant in animal husbandry. Professor King is a graduate of Missouri University. He was for two years assistant in animal husbandry in the United States Department of Agriculture. The past eighteen months he has been at the head of the animal husbandry department of the Missouri State Board of Agriculture. He is a recognized authority on feeding beef cattle and hogs. As a farmers' institute worker Professor Wheeler will succeed.

Many farmers are holding their wheat. One man said the other day it was because Jim Hill, the farmer and railroad magnate said that was the thing to do. Another man said it was because the Farmers' Union or Society of Equity had dictated to its members such policy. In KANSAS FARMER's opinion each of these fellows should guess again. Farmers need not be told when to hold wheat. If farmers need money and have wheat to sell they sell it. If they do not need money they hold the wheat. The farmer enjoys speculating "just a little" as he calls it. The man who has 10,000 bushels of wheat in his bin and is holding for higher prices and taking his chances is speculating "a whole lot" instead of "a little." But the farmer who grew the grain can afford to take longer chances in speculating than any one else. Farmers do not have to sell wheat. They have money in the bank, bills all paid, times easy, and other products to sell which do not store so well as wheat and the proceeds of which keep things moving.

CONSOLIDATED RURAL SCHOOLS. There are many and excellent argu-

ments under the following conditions: We will make good the loss of any paid up subscriber who suffers by dealing with any fraudulent advertiser in our columns, provided complaint is made to us within thirty days after the transaction. This guarantee means just what it says. It does not mean that we guarantee to settle all trifling disputes between a subscriber and an advertiser, though we offer our good offices to this end. We do, however, protect you from fraud under the above condition. In writing to advertisers be sure always to say: "I saw your advertisement in Kansas Farmer."

CONTRIBUTIONS.—Correspondence invited on all farm topics, live stock, soil cultivation, grains, grasses, vegetables, household matters, recipes, new and practical farm ideas, farm news. Good photographs of farm scenes, buildings, live stock, etc., are especially invited. Always sign your name, not for publication, unless you desire it, but as an evidence of good faith. Address all communications to

KANSAS FARMER COMPANY,
Topeka, Kansas.

ments in favor of consolidated rural schools, but none of them can be sounder than this one suggested by Farm, Stock and Home. "It has been suggested that better rural schools would have a tendency to keep many farm owners from renting their farms who now take that step so that they may move to towns where better facilities are afforded for educating their children. If this is true, it is one of the strongest of arguments in favor of the consolidation of several district schools into one, making it possible to bring as good schools within the reach of farm children as they can get by moving to town. Farm tenantry is so exceedingly undesirable that anything calculated to diminish it becomes very desirable. There can be no more effective barrier to the development of farm life than putting farms into the hands of tenants, for no matter how good people tenants are, they cannot be expected to take the interest in the uplift of their respective neighborhoods that farm owners would take."

MORE FOOD NEEDED AT HOME.

Never before in the history of the United States has there been such a great demand for the farmers' products. This demand will continue. The United States must produce more food stuffs. Better farming resulting in larger production per acre must and will prevail as sure as the world moves. The ever increasing flood of humanity to the cities must soon cease. Before many years the tide must turn from the cities to the country. There must and will be more farmers.

That these statements possess some merit may be justified by statistics which reveal that each year we are consuming a larger quantity of our products, that exports are growing less, while the volume of our products, generally speaking, is continuing steady. The total value of all food stuffs, including food animals, exported in the fiscal year 1909 was but \$438,000,000, against \$521,000,000 last year. The value of corn exports in 1909 was only \$25,000,000, against \$34,000,000 in the preceding year; of wheat, \$68,000,000, against \$100,000,000 in the year preceding; or four, \$51,000,000, against \$64,000,000 in 1908; of cattle, \$18,000,000, against \$29,000,000 in 1908.

The figures show that the share exported of the wheat and corn crops of the United States has been materially less since 1903 than at any time during the twenty-year period immediately preceding that date.

Meat exportations also show a marked falling off when compared with their export record during the past decade. The total value of all meat and dairy products exported fell from \$211,000,000 in 1906 and \$202,000,000 in 1907 to \$167,000,000 in 1909, despite the higher prices which prevailed in the latter year.

MAKE IT A HOME POLICY. An eastern Kansas politician-farmer not long since told this editor that he

was an admirer of and supporter of the "conservation policy of the present republican administration as applied to forests and flood waters and everything else. Conservation should be the watchword." He thought the forest should be saved because if not this country would soon be out of lumber. He thought the flood waters should be run into reservoirs and used for irrigation purposes. On these points there was no room for argument. The editor asked this friend how many loads of manure he had distributed on his farm the past year. Answer: none. The next question was whether or not in farm operations he followed a crop rotation system. Answer: no. Again, do you plow under clover, rape or cow peas for green manuring. Answer: nope. Are your crops as good now as ten or fifteen years ago? Nope, getting poorer every year, was the answer. This editor concluded his man was not, after all, very strong on "conservation."

The fertility of the soil is the capital stock of the farmers of this country. Every crop removes fertility and reduces that capital stock. Fertility of the soil is no more everlasting than the bank account. We all know the bank account will entirely disappear if we draw on it long enough and never replenish it. Fertility will as certainly become exhausted unless every year as much fertility in some form or other is gotten back into the soil as was taken out. When the fertility of our own farms is gone we will not need lumber. A "conservation" policy is good but let it begin at home—on the farm producing our daily bread.

PURE SEEDS AND KANSAS VITALITY.

Every spring sorghum seed is in demand at good prices. An occasional farmer is growing seed for market and is realizing more money per acre from it than the ordinary seed crop will pay. As a rule the sorghum seed sold has low germinating power. This is because the seed has not been harvested at the right time and for this carelessness the buyer must suffer disappointment and loss in not getting a good stand and the seller takes a lower price than need be because he cannot guarantee the vitality of the seed.

Ordinarily sorghum seed stands in the shock during the winter exposed to wet and freezing weather and here it is ruined. If the seed is harvested and thrashed in the fall it is placed in a bin where it heats. Heating injures the germinating qualities. So unless it is taken care of properly when harvested early it might as well remain all winter exposed to the elements.

This editor once knew a farmer who bought a small quantity of seed of an early maturing dwarf variety of sorghum and it was so superior to the mixed and coarse variety previously grown that his neighbors insisted upon buying his seed. The first year this man cut off the heads and hung them in his barn and the following spring beat off the seed with a flail. This gave him a good start of seed. The next year the stalks were stopped at maturity and the heads wintered in a corn crib from which they were thrashed in the spring and the seed sold at \$3 per bushel. The crop made 40 bushels per acre. This money looked so good to the farmer that following years the sorghum seed crop was one of his mainstays. He sold his seed at a premium over other seeds and 40 pounds of his was an abundance to sow per acre while seed harvested in the ordinary way 80 to 100 pounds were sown. It pays to take care of the sorghum seed.

It will pay the farmer, who has the disposition and will exercise the care required, to sow and plant only the best varieties of his various crops, and make a business of selling seeds to his neighbors. This applies to corn, wheat, oats, rye, millet, sorghum or Kafir corn. These grains for seed will sell for more money than for feed and the extra selling price per bushel will well pay for getting a start of good seed and keeping it clean and pure. This editor knows farmers who are making a business of producing good seeds and they claim it pays. The seed houses will pay an extra price for known varieties and good seeds.

INVESTORS! GET THERE AHEAD OF THE RAILROAD

BOUND FOR THE
RICHEST VALLEY
ON EARTH

NOW
Opening



Riches irrigated valley in America. The choicest undeveloped lands in the lower Pecos Valley of Texas—just ahead of actual laying of rails on the new Trans-Continental Railway—the Kansas City, Mexico & Orient, shortest route by 500 miles between the great central markets of the United States and the Pacific Coast.

Homeseekers and land investors, this is a final warning to you! This is your last, best and greatest chance to

Get There Ahead of This Railroad and profit 500 per cent by your taking advantage of the liberal offer. The Pecos Valley of Texas is the richest valley

in America. It is the greatest proven fruit district in the United States. On a limited acreage, Pecos Valley pears and grapes have already won international prizes. As an alfalfa district, it beats Kansas or Nebraska. Hon. F. D. Coburn, the originator and sponsor for alfalfa, having introduced it into Kansas and the United States, speaks of Lower Pecos Valley as follows: "The fertility of the soil, the ease with which it can be put under cultivation and the prodigious alfalfa, fruit, and others crops, the more favored parts produce when judiciously treated."

The Great Orient Railroad Company

is fast filling the gaps. We extend to you an invitation to get there ahead of its rails and profit thereby. Why do we extend this invitation to the general public? As in other railroad projects, why don't those on the inside profit by advance information? Because the Orient Railroad must have settlers along their line to make it the greatest western railroad in the United States, as it will be when completed. The Orient is laying track daily, about 1,000 of the 1,600 miles being completed and trains in operation.

The land is the richest in the world. Soil experts so testify. Irrigation engineers all agree this Lower Pecos Valley contains the largest body of irrigable lands in America. Government reports prove conclusively the climate ideal.

Already one-half million dollars worth of this land has been sold to experienced irrigation farmers. Settlers have already arrived. A great reservoir two miles square is practically completed, about twenty miles of canals dug and 200,000 fruit trees being planted and hundreds of acres of alfalfa sown.

A year ago this lower Pecos County was a valley of opportunity with only widely scattered orchards and farms, which, however, had produced conclusive evidence of the country's worth. Before the Orient Railway decided to open this valley to the world's markets, as they are now doing, Pecos Valley products had won world's prizes. But now this valley is filling with people. The Orient Railroad is building daily in Texas toward the land—only 100 miles away now—and rapidly closing the gap between its United States and Mexican connections.

Big fortunes have been made buying land ahead of a railroad—these fortunes can be quadrupled now because the demand of land is greater. You should earn 500 per cent on your money in the Pecos Valley if you invest now.

Climate

Ideal with 345 days of sunshine. Summer temperature 67, winter 51, humidity 33; altitude 2,200 feet. No hot winds, no blizzards. U. S. Signal Service says climate is better than California, North Carolina or Florida.

Soil

A rich, deep, sandy loam, ranging from dark chocolate to reddish in color, eighteen to thirty feet deep, no alkali. Pronounced by experts who have seen it to be "the finest body of land in America for irrigation."

Water Supply

Our reservoir—two miles square, seventeen feet deep, holds 20,000 acre feet of water. Forty miles of canals serve for irrigation. Wm. L. Rockwell, Government Irrigation Manager, says the duty of water in Pecos Valley should be one foot for every 150 acres, while we guarantee one foot for 80 acres, or approximately TWICE THE AMOUNT of water needed for irrigation. Rainfall is EIGHTEEN INCHES.

Markets

When the Orient Railroad reaches the lower Pecos Valley, which should be in a few months, direct communication with the markets of the world will be obtained. This is 1,500 miles nearer Chicago and Kansas City markets than California. Alfalfa, which cuts seven tons per acre NOW sells for \$16 a ton, just across Pecos River from our land. The cattlemen who graze hundreds of thousands of steers on the plains adjacent must have feed through the winter.

To Investors

Land is safer than a bank and infinitely more profitable. Other parts of this valley where improved, have increased 500 per cent in value. Now before the railroad reaches the land, you can buy it at \$60 per acre on monthly payments. Improved irrigated land in some parts of Colorado sells as high as \$3,000 per acre. This land will be as valuable when improved. Buy today, and before you have finished paying for it, it should sell for many times the amount.

The Orient Railway

The Kansas City, Mexico and Orient Railroad is making tremendous efforts to reach this valley. Heretofore, this body of fabulously rich land has been almost inaccessible, but within a few months, the railroad will open it up, bringing it in touch with the Eastern markets. We want you to settle in this valley and will make it easy for you to do so. This is the last great valley to be opened. Other lands in this valley where developed, sell for \$500 per acre. If you ever expect to better your condition, now is the time. Write today for free book, literature and maps. This land can never get cheaper and will make a great jump in price when the Orient crosses it. Write today for

To Salaried People

Put a few dollars of your money each month into Pecos Valley lands and you will hardly notice it. You will have some place to go if you lose your position or want to retire. You can make a good living on 10 acres and be your own boss.

To Renters

Why do you rent high priced land where it takes practically all your crop to pay the rent? Buy a ten-acre farm in the Pecos Valley of Texas, on time, pay for it on small monthly payments, be independent and make a better living than you can by renting.

To Farmers

Why do you work land worth \$100 per acre and make only \$25 per acre per year on it? Buy our irrigated land at only \$60 per acre on time payments? Raise two or three crops a year and make \$200 to \$2,000 per acre per year. G. W. Griffin, who is located a few miles from our lands, writes: "My ten year old pear orchard in 1907 netted me \$1,000 per acre." This is the orchard that took the first premium at the St. Louis World's Fair.

Price and Terms

By making a contract now before the railroad crosses the valley, we will let you have the land on the following terms: 10 acres \$120 down and \$120 per year for 4 years; 20 acres \$240 down and \$240 per year for 4 years; 40 acres \$480 down and \$480 per year for 4 years; 80 acres \$960 down and \$960 per year for 4 years.

Ten acres means a good living for you and a home in your old age. It can be made to earn you more actual cash than 50 acres of Northern or Eastern land, more actual cash than a salary of \$2,000 per year. Twenty acres means increased independence and 40 to 80 acres means riches for you and your children.

Free Book and Literature.

F. H. HORNBECK, LAND COMMISSIONER

Kansas City, Mexico @ Orient R. R.

948 Baltimore Ave.

Kansas City, Mo.

Lower Pecos Valley, particularly Pecos County, has the endorsement of the Secretary of the Kansas State Board of Agriculture, hence we can recommend same to our readers.—Pub.

LIVE STOCK



Overfeeding and lack of exercise cause the thumps in young pigs, but many times pigs are thought to have thumps when they actually have pneumonia, due either to damp beds or exposure to draughts.

Chicken raising is a profitable business way up in Alaska. A man named J. D. Johnston, living near Seward, that state, writes the Department of Agriculture, that from 48 Plymouth Rock pullets he sold \$20 worth of eggs per month, besides raising 168 chickens. He estimated that each hen paid him four dollars clear, above cost of feed, which must be a large item there.

"No one ought to complain now about hog prices," said Fred Anderson, a farmer of the early-day class of Oldsbury, Kan. "Present prices look mighty good to me. I remember hauling hogs seventeen miles just as good in quality and weight as the kinds that are bringing \$8.50 today and selling them at \$1.80. Of course corn is higher now, and other kinds of feed cost more, but after making due allowance, there is a big difference."

There is no treatment more painful than keeping a horse shut up in a stall, on a hard floor, continuously during the winter. It produces lameness, often internal diseases, and is cruel treatment besides. Except in severe storms, the horse should be out more or less every day. Dry clod does not hurt, but has an opposite effect. It is better for legs, better for health, better for eyes, lungs and heart for horses to be out more or less every fair day in winter. Keep horses in the open as much as can be without discomfort to them.

"The National Association of Live Stock Breeders and Raisers will hold their annual convention at the Union Stock Yards, Chicago, on the night of Dec. 1, 1909, during the great International Live Stock Exposition. Many important subjects will be discussed and plans for 1910 will be formulated. This association is organized solely for mutual benefit and every live stock breeder and raiser in the United States and Canada is requested to join the association, for which there is absolutely no charges of any kind. Address C. M. Fleischer, secretary, 99 Randolph St., Chicago, Ill.

In the light of present information, high prices for hogs will prevail this season. High-priced corn and attractive prices have encouraged close marketing of hogs for practically a year

past. Even brood sows were last winter sent to market in unusual numbers. Raisers, who ordinarily breed twenty to thirty sows, this season bred five to ten. There is a scarcity of hogs and this will continue for some time. Get into the hog business. The best of breeding stock can be bought at reasonable figures. Breeders are selling at higher prices each day. When you get back into the hog business, if you have been out, determine to stay in this time. Stay with the hogs. They will make you money every year.

A very thorough, practical and expert hog man whose eye was like that of a detective in picking out the good ones at sight, was restless and anxious to reach a herd so he could size it up, measure it with his eye and weigh it in his mind. His plan was of selecting a great feeder, as he was a great stickler for extra feeding qualities, or the mellow, quick-maturing, smooth, soft-coated hogs. He laid special stress on the silky soft coat that the pig was wearing and was particular in getting his hand on the pig to feel the texture of the hide and hair, which determined him as to the pig's feeding qualities. If the hair was wiry and the skin harsh he had no use for that pig; he was black-balled at once.

Stable Disinfections.

[From Bulletin 85, North Dakota Experiment Station.]

Before beginning disinfection proper, stables, pens, stock yards, etc., should be thoroughly cleaned. All litter, manure, dirt, dust, etc., should be carefully removed, and destroyed by burning. When this is not possible, it should be thinly spread over the ground at places where live stock cannot come into contact with it. The exposure to the fresh air and sunlight will render it harmless in time.

When dealing with the more virulent diseases such as glanders, hog cholera, and tuberculosis it is advisable to remove feed boxes and old mangers. They may be destroyed by fire and replaced by new ones. It is often difficult to disinfect them and in many cases the expense involved in replacing them by new ones is a good investment.

In stables, pens, etc., having a dirt floor it is advisable to remove from 2½ to 3 inches of the top as infectious material is liable to soak in and when embodied in the dirt it is difficult to destroy it.

Wagons used for hauling infected litter, dirt, etc., should be thoroughly

cleaned and disinfected in the same manner as the stable proper.

Various solutions may be used, the more efficient ones are the following:

Solution 1. Corrosive sublimate dissolved in rain water in a proportion of 1-1000 (7 ounces of sublimate to 50 gallons of water, approximate cost 50 to 55 cents). Put the water in a clean barrel, add the sublimate and leave 24 hours before using, stirring it occasionally in order to secure perfect solution.

Corrosive sublimate is the cheapest and the most efficient of all disinfectants, but has the disadvantage of being very poisonous, of attacking metals and of having its germ killing properties reduced by the presence of organic matter and when dissolved in hard water.

Solution 2. Carbolic acid dissolved in water (2 to 4 per cent). This is an efficient, time honored disinfectant. A good solution is made as follows: To 50 gallons of water add 5 pounds of washing soda and 10 pounds of pure carbolic acid. Stir until the solution is clear, when it is ready for use. (Approximate cost \$3.50 to \$4.)

Solution 3. Creoline or similar preparations, mixed with water, 2 to 4 per cent. To 50 gallons of soft water add 10 pounds of creoline. (Approximate cost \$2 to \$5.)

Solution 4. Formaldehyde solution in water. (5 quarts of 40 per cent formaldehyde to 50 gallons of cold water. Approximate cost \$2.25 to \$2.50.)

Solution 5. A mixture of chlorinated lime in water (20 lbs. of chlorinated lime in 50 gallons of water). Approximate cost \$1 to \$1.50. This mixture must be prepared immediately before use and the lime must be fresh or contained in closed containers. This is a very effective disinfectant, but when dealing with glanders or tuberculosis any of the above mentioned substances are to be preferred. Chlorinated lime is especially useful for the disinfection of dirt floors, pens, yards and drains.

All liquid disinfectants must be applied by means of the spray pump, sprinklers or the brush. They must be applied thoroughly and abundantly. It is advisable to apply the sublimate, carbolic acid and creoline solutions while hot. The hotter they are the greater will be their germ destroying properties.

In disinfecting stables care must be taken that all cracks and crevices are reached and all utensils must be included in the process.

In the stables which can be closed tightly disinfection may be accomplished by means of certain antiseptic gases. The ones more commonly used are formaldehyde and sulfur dioxide.

In either case all openings and cracks must be thoroughly closed and sealed. Unless this be done, disinfection will not be thorough.

Formaldehyde may be applied by a special spraying apparatus, but good results may be obtained by sprinkling the 40 per cent solution over a large surface by means of which the gas will be rapidly set free. A good method is the one in which sheets of cloth are suspended in the stable. These are sprinkled with the formaldehyde solution. The gas is rapidly given off and soon permeates the entire space. Disinfection is more thorough when walls, ceiling, floors, etc., are previously moistened with water. Owing to the irritating nature of the gas, persons engaged in applying this method should be quick about their work. The stable should be kept closed for 24 hours, after which it should be given a thorough airing. In case the gas lingers too long, a little ammonia water should be sprinkled about the stable. Use 1 quart of 40 per cent formaldehyde for ever 1,000 cubic feet of space. (Approximate cost 45 cents to 60 cents per 1,000 cubic feet.)

When applying sulfur-dioxide fumigation the stable must also be thoroughly closed and sealed. Sulfur-dioxide is made by the burning of sulfur and the following method is most practicable. The sulfur (roll-sulfur) is placed in a large cast iron pot. This pot is now placed in a wash tub and the latter filled with about three or four inches of water in order to prevent danger from fire. Wash tub, pot and sulfur being placed in the center of the stable, the sulfur is ignited by pouring a couple of ounces of alcohol over the sulfur and lighting it with a match. After the sulfur has begun to burn, the stable door may be closed and the place left exposed to the fumes for 12 hours, after which the doors and windows should be thrown open. Use 3½ pounds of roll-sulfur

HORSE OWNERS! USE

CAUSTIC BALSAM.
A safe, speedy and positive cure. The safest, most BLISTER ever used. Removes all bunions from Horses. Impossible to produce scar or blemish. Send for descriptive circulars.
THE LAWRENCE-WILLIAMS CO., Cleveland, O.

Seldom See

a big knee like this, but your horse may have a bunch or bruise on his Ankle, Hock, Side, Knee or Throat.

ABSORBINE

will clean them off without laying the horse up. No blister, no hair gone. \$2.00 per bottle, delivered. Book 8 D free. ABSORBINE, J.R., for mankind, \$1. Removes Painful Swellings, Enlarged Glands, Goitre, Wens, Bruises, Varicose Veins, Varicose Ules, Old Sores. Always Pain. Book free. W. F. YOUNG, P. O. F., 211 Temple St., Springfield, Mass.

KENDALL'S SPAVIN CURE

"ONLY SURE REMEDY"

Gadsden, Ala., Apr. 26, 1909.
Dr. B. J. Kendall Co.
Gentlemen: Please send me copy of your TREATISE. I have been using your Spavin Cure for 30 years, and find it is the only sure remedy. It is the best I can get for horse and man.
Yours truly, W. J. McBea.
That tells the whole story, and it is the experience that hundreds of thousands have had in the past 40 years, and it's the experience you will have—"It is the only sure remedy."
For Spavin, Ringbone, Curb, Splint, Swellings and All Lameness
Sold by Druggists—\$1.00 a Bottle, 6 bottles for \$5.00. Keep it on hand always. Be ready for the emergency. Kendall's stops the pain, starts the circulation, penetrates and removes the cause of the disorders. Ask for a free copy of "A Treatise on the Horse." If not at dealers write to—
DR. B. J. KENDALL CO., Enosburg Falls, Vt.

TOO LATE TO CLASSIFY.

EASTERN KANSAS FARM BARGAIN.
166 a., 3½ miles from town, 75 a. cultivation, 2 a. orchard, balance native grass. 5 room house, good cellar, barn for 8 horses with loft, other out buildings, good water, close to school, R. R. D. and phone. Farm on main traveled road. Price \$45 per a. For particulars write J. C. RAPP, Chicago City, Kansas.

A GOOD SMALL FARM.
105 acres, 60 acres in cultivation, 10 acres alfalfa, balance in grass. Improved with 5 room house, barn, cement cave, granary, etc., buildings are in fair condition, well and windmill, fenced, good orchard. Located 4 miles from 3 good R. R. towns and 15 miles from packing houses in Sedgewick county. Send for list of other properties. The Nelson Real Estate and Immigration Co., 187 N. Main St., Wichita, Kansas.

PAWNEE COUNTY FARM.
560 acres, 10 miles of Nekema, nicely improved, good house, good barn. Granary holds 4,000 bu. grain, two wells and windmills, all fenced. 20 acres hog tight. 155 acres of alfalfa, 160 acres alfalfa land, about 400 acres in cultivation, 30 feet to water, a No. 1 farm. Price \$40.00 per acre. For particulars write
G. A. ROSE & SON, Hutchinson, Kan.
5 Sherman East,

for prices. Good live agents wanted.
TOPEKA SUPPLY HOUSE,
634 Quincy St., Topeka, Kansas.



The Gloria
Lighting system is the very latest in Gasoline lighting, nothing equals it for city or country homes, convenient as electricity, simply pull the chain and you have the light. Guaranteed to please. Write for prices. Good live agents wanted.
TOPEKA SUPPLY HOUSE,
634 Quincy St., Topeka, Kansas.

YOUR CHOICE

Send us your name and address and we will tell you how you can get one or all of these beautiful rings for a few minutes' work. These are not cheap rings. People's Monthly Co., Dept. Y, Des Moines, Ia.

for every 1,000 cubic feet of stable room. (Approximate cost \$0.18 to \$0.20 per 1,000 cubic feet.)

While in most cases any one of the methods mentioned is quite sufficient, it is a good practice to apply sulfur fumigation after the use of sublimate or carbolic acid or creoline when disinfecting for glanders or tuberculosis.

As watering troughs play an important part in the transmission of certain diseases, their disinfection should be undertaken in a most thorough manner. Infected troughs should be emptied and thoroughly scrubbed, after which they may be treated with any of the solutions mentioned above. It is advisable that they may be filled with any of the solutions recommended and left covered for 24 hours.

CATALPA TREES FROM ORIGINAL INDIA SPECIOSA TREES at wholesale prices. Get our prices before placing order. Write today. Address Box H. WICHITA NURSERY, - Wichita, Kan. (Gen. Agts. for Wellington Nurseries)

Here's Something New Kalamazoo

You can save enough real money in getting a Kalamazoo. You buy most of your fuel—pay your taxes, buy a suit of clothes or materially increase your balance. You get the best made—the most economical—the most satisfactory stove or range to be had anywhere at any price. With an actual cash saving of from \$5 to \$40 on your purchase. Hundreds of thousands of satisfied users have told us this is true. We make it easy for any responsible person to own a Kalamazoo. We are the manufacturers. You get lowest factory prices, 360-days' approval test, and our convenient terms. Take your choice—

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At the end of this time disinfection is complete. They should not be used, however, until after they are thoroughly rinsed so that animals may not become poisoned by traces of the disinfectant. This is especially to be observed after the use of corrosive sublimate.

Harness and other leather ware may be disinfected by immersion in a 4 per cent solution of carbolic acid, or a 1-1,000 solution of sublimate, after having been previously cleaned by scraping and washing. The goods to be disinfected should be left in the solution for 6 to 8 hours, after which they should be rinsed in clean water and dried. As soon as the leather is dry it should be oiled, in order to prevent it from cracking or becoming brittle.

Silage and Beef Cattle.

Silage is each year entering more and more into the economical feeding of beef cattle. Indiana is gaining a reputation for fine beef and its beef growers probably use more silage than the beef feeders of any other state. Indiana University has done much to bring this about. A recent bulletin says during the winter season the

cattle in addition to silage should have two parts of cottonseed meal and one of corn. Commence with light feeding of concentrates at first, and increase them as their condition will indicate. Thirty pounds of silage per day is about right for young cattle growing rapidly, and for roughage corn fodder and hay, with silage morning and night. It is suggested by good feeders that while there is a considerable amount of corn in silage, it is still necessary to feed some grain along with it, for we must remember that the grain in the silage is not concentrated, as in the case of the mature corn.

Give the animals the same amount of clover hay and whatever roughness in the form of stover or corn fodder they will consume. In the beginning it is better to feed a larger proportion of cottonseed meal, say perhaps at the rate of two-thirds cottonseed meal and one-third corn or corn and cob meal.

As the season advanced these proportions should be reversed. Keep the animals growing for the first three months of the feeding period and during the last two or three months finish them. If we attempt to feed corn

straight from the beginning they will not grow as well, nor will they gain as rapidly as if fed a larger amount of a concentrate rich in protein and a smaller amount of corn.

Steer Feeding Experiments.

The Kansas Experiment Station will this winter conduct extensive experiments in steer feeding. Two hundred head of cattle will be fed, one-half on corn, cottonseed meal and al-

falfa hay, the other half on straight corn and alfalfa hay. This experiment is to test the relative feeding value of corn and alfalfa as compared to corn, cottonseed meal and alfalfa. It is an experiment that will be watched with interest by the feeders of this section of the state for the reason that it will determine whether it is advisable to feed the cottonseed meal along with the corn and alfalfa or to rely on a straight corn and alfalfa ration.



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NO DOSE TO MEASURE. NO LIQUID TO SPILL. NO STRING TO ROT.

Just a little pill to be placed under the skin of the animal by a single thrust of the instrument. You cannot afford to let your cattle die of blackleg when a few dollars spent on Blacklegoids will save them. Write for circular.

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NOTICE.—For a limited time we will give to any stockman an injector free with his first purchase of 100 vaccinations.

DAIRY



President pressed the telegraph instrument in El Toro hotel, Grand Canyon, Arizona, which opened the National Dairy Show in session in Milwaukee this week.

Only seventeen Jersey cows in the world's history have produced more than 700 pounds of butter in one year. Five of these, or nearly one-third, were bred and developed by the Missouri College of Agriculture.

Speaking of the quality of 1909 butter the Chicago Dairy Produce says nine out of ten men on the markets will agree that the general character of the butter during the past summer shows a marked improvement over a year ago.

Farmers should consider well for what purpose they are keeping cows, and then endeavor to make choice of the breed that promises best to fulfill the conditions required, and then, if the choice is a wise one, stick to that breed and by proper management make it answer its purpose to the best possible extent. Conditions may require a change sometimes, but this should be the exception and not the rule.

Cows that are given the most comfort with feed and shelter are the ones that produce the greatest profit. The cow naturally likes to lie down for rest while she is chewing her cud. She will lie down in her stall whether it is clean and comfortable or not. Plenty of good bedding will make it comfortable and help to keep it clean. Arrange now to have enough good bedding for the cows to last all winter. It is not only good for the cows, but it absorbs rich liquids and is one of the greatest means of making the farm fertile and highly productive.

A Massachusetts breeder of pure bred Holsteins offers to ship a bull calf on the payment of \$10 cash. The buyer is to keep the calf until a year old and at the end of that time if the contracting party desires to keep the calf he will pay \$50. If after a year the calf is not wanted it may be returned at the breeder's expense. In case the calf should die the prospective buyer is not held responsible. Upon arrival if the calf looks good it will be sold at once for \$25. These are easy terms on which to get a pure bred dairy bull. The plan is certainly a novel one.

The main object of the Danish test associations is to investigate the feeding, the milk yield and fat percentage of the individual cows in the herds of the members in order to improve the veritability of dairying and the formation of cow families with a large butter yield. Each association has a supervisor. He not only looks after test-

ing and weighing the milk but advises and instructs in the feeding. The Danish farmer is compelled to work for his best interest to the greatest extent possible else he cannot live. There are not many Kansas farmers who would permit any one except himself to prescribe rations for his cows. Our independence is oftentimes our worst fault.

In an experiment to ascertain the cost of raising a calf Professor Shaw of Michigan station kept an accurate account of the expense of feeding for one year from its birth. The amount of feeds used in that time were 331 pounds of whole milk, 2,568 pounds of skim-milk, 1,262 pounds of silage, 219 pounds of beet pulp, 1,254 pounds of hay, 1,247 pounds of grain, 147 pounds of roots, 14 pounds of alfalfa meal and 50 pounds of green corn. At the end of the year the calf weighed 800 pounds at a cost of \$28.55 for feed. This includes the value of time expended in feeding and care. The calf is charged with feed at cost of feed purchased on the markets.

The smaller creameries of Iowa have decided upon a campaign for improving the quality of butter made by them. It is their plan to employ a dairy expert who will go about among the farmers instructing them how to increase the quantity of butter produced by their cows and how to care for the cream so it will arrive at the creamery in first class condition. This again points to the fact that it is generally recognized that the place to begin making good butter is in the care of cream on the farm, and that the place to begin work for larger cream receipts is with the farmer to induce him to milk a better cow at a larger profit. The reader will note that this move does contemplate establishing more creameries.

The consolidation of the smaller creameries and cheese factories of Wisconsin is creating a demand for better trained operators. This is evident from the applications received by the dairy department of the College of Agriculture of the University of Wisconsin, asking for trained men. The changing situation in dairy manufacturing is expected to exert a marked influence on the kind of men who can succeed as factory operators and managers, Prof. E. H. Farrington of the Wisconsin dairy school states in commenting upon the situation.

Prof. Kendall, of dairy department, Kansas State Agricultural College, was in charge of an interesting and instructive exhibit by the college at the Missouri Valley Agricultural Fair, held in the Kansas City Electric Park, Oct. 2 to 10. The college sent down seven head of dairy cattle and the milking machine. It had also on exhibition a model dairy farm, with buildings and growing fields, supplemented by charts showing the kind and rotation of crops to be grown in order to support a cow per acre. This part of the exhibit was of a character never seen before. The large natatorium at Electric Park was by skilful work transformed into a miniature model farm. The exhibit was of exceptional educational value.

Dairy Stock for K. S. A. C.

Four pure bred Holstein cows were recently received by dairy department of Kansas State Agricultural College from a herd near Lincoln, Neb., and from Columbia, Mo., a Holstein bull and a Jersey heifer. The record of one of the cows brought from Nebraska is 86 pounds of milk or nearly ten gallons in a single day. The mother of the heifer brought from Missouri has a record of 13,000 pounds of milk and 736 pounds of butter-fat in a year, while that of the mother of the bull went to 19,000 pounds of milk. It is the plan of the department to purchase four thoroughbred mature cows, one thoroughbred bull and eight or ten heifers, each of the four leading breeds of dairy stock, Holsteins, Jersey, Guernsey and Ayrshire.



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That's what makes the DE LAVAL CREAM SEPARATOR the best investment any cow owner ever made, and an investment no cow owner can have sound reason for delaying to make.

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It will pay you to write us for price list and FREE shipping tags. For shipments held separate on request and your furs back if our returns are not O. K. "Trappers Guide" free to shippers. Write for catalogue of trappers supplies.

A Better Head for the Dairy.

It is a shame many farmers treat the calves they intend to use for the head of their herds as they do. You know how that is. The little fellow is at first "nothing but a calf," anyhow. We are so busy! Other work presses hard. We haven't the time to spend with calves; other things are so much more important.

Now, that is not so. Nothing about the dairy is more important than the bull calf. That calf will soon be your mainstay for stock for future years. It does make a difference how his first few months are passed. Neglect him and your stock will surely run down. Keep him as he ought to be kept and you will have some calves you will be proud of, that is, if he is anything of a calf to begin with. If he is not, get rid of him now and get a better one.

The bull calf ought to be fed plenty of good milk, always warm if possible. I know that is some work. It is work that will pay. If the milk fed could be always sweet so much the better. The best calves I ever saw were raised on sweet milk. And it can be so if we have our own separators.

And then, the bull calf ought to have a place where he can be free from the attacks of flies. Flies will whittle down the growth of the best calf any of us can have. A little house, kept clean, with shady windows and a bran sack door will give him peace as little else would.

He should always have as much grass and hay as he will eat, and a bit of grain, say buckwheat shorts or wheat bran, fed dry in a box after he has taken his milk. A trifle of oil meal is excellent, too. If he wants water give it to him. Keep him comfortable.

When fall comes and it is time for him to come into the barn, give him a good, comfortable stall, a boxstall if you can. Don't think it is all right to leave him out of doors till he is almost frozen to death. I have seen some calves that never had a place in the barn until the dead of winter, running out in the leeward side of a strawstack or possibly under some shed. I am a believer in fresh air all right, but there is such a thing as having too much of it with stock.

Every day the calf should be groomed. Keep him looking nice. If you have the milk to spare, keep that ration up. It will do him lots of good. Give him plenty of straw for bedding. Let the floor be as dry as possible in the stall. Let no day pass when he is not let out and given a chance to exercise. It is just as well that he should not run with the cows at any time the first winter.

In a word, keep your bull calf healthy, thrifty and hearty. You never will be sorry you did so.—E. L. Vincent, in Epitomist.

Be Sure of the Boar.

It is only a few weeks now until breeding time, and it behooves the swine grower to direct his attention to the boar, and get him ready to do good service. It has been some time since the boar has been needed and his condition noted. In many cases

no doubt he has become very fat, and every experienced grower knows that fatness is detrimental to good breeding results. The overfat boar should at once be given exercise and worked down until he is only in fair degree of flesh and is feeling spirited and active.

If a young boar is to be used, he should be first tested on some of the stock that is to be sold. Many a man has relied upon a young boar, just because he looked potent, or some one said he would be, only to find at the crucial time that he was useless as a breeder. The thing to do is to try him and find out definitely what his breeding powers are before the real breeding season is upon us.

It is obvious that the man intending to buy a boar, should at once be about it. Good boars are not to be found every day and the desirable kind are almost always hard to get. The fair season affords an opportunity to look up breeding stock, but those who have failed as yet to secure a boar should delay no longer. Those who hire the services of a boar, should make arrangements to get him, or the dates may be so taken there will be no chance for them. At the proper time breeding ought to be done, and the forehanded, foresighted man is sure of his boar. The delay of a month this fall through the impotency of a male or the lack of one means that much delay next spring, and the pigs will be dragging along about a month behindhand all season. Pasture and corn will be ready and there will be no pigs ready for it. The market will

beef herds to a point where they will be mature enough to sell. By all means be sure that you have a boar and that he is capable of getting the pigs.—Farm, Stock and Home.

Beef Supply.

One of the leading live stock commission firms of Chicago, a firm which pays special attention to live stock supply and demand, has this to say about the beef cattle situation:

"We have previously called attention to the shortage of 2,189,000 head of cattle in producer's hands on the first of January this year, compared with two years ago. This shortage must even itself up in the market price.

"We have advised that this is one of the years when it would pay to feed live stock, and are convinced of this more and more as the season advances. There has been such a decrease in the number of beef cattle that it will take five years to build up beef herds to a point where they will produce enough moderate priced beef cattle that it will take five years to build up beef herds to a point where they will produce enough moderate priced beef cattle; and that the era of cheap beef in America is passed."

Draft Horse Situation.

"The draft horse situation in the United States is far from what it should be," says Breeder's Gazette.

"As a country, America shows slow development in this direction. It is not, however, because of lack of demand for good draft animals. We are

still importing our best draft sires and dams from France and Belgium. The city markets everywhere are crying for more and better drafters. They are also needed on the farm. Prices for good draft horses are all that could be wished. Well-bred animals, with plenty of size, bone and action sell readily from \$250 to \$500 in the Chicago horse market, while matched draft teams bring from \$500 to \$1,000. Country prices are also high.

"There is every prospect for a still greater demand ahead, and no adequate supply in the country to meet it. During the last fifteen years the population of the United States increased 33 per cent. During the same period the total number of horses on farms increased only 23 per cent. The increase in total value of our horse stock was 88 per cent, nearly four times the increase in numbers. The average value per head has increased during the period just mentioned, slightly over 52 per cent for all horses in the country. The time is certainly ripe for an awakening along draft horse breeding lines. There is money in the business for all farmers who go at it right."

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The Kissel Manure Spreader Box

can be used on any ordinary wagon truck. Don't tie up your money in expensive wagon gears.

WE GUARANTEE

that the Kissel when loaded can easily be drawn by two horses.

The heaviest load cannot break it, because no cast iron is used. Every iron part is malleable.

It will spread as well as the highest priced

complete spreader on the market and better than any other spreader box.

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Only spreader box built with all malleable iron parts instead of cast iron.

The KISSEL has the simplest, most effective feed mechanism ever used on any spreader.

Box 16 inches high, greater capacity than any other

wagon box spreader; adjustable to any width gear; flaring box, reducing friction, making lighter draft, doing away with the need of a force feed attachment; uniform spreading assured even on windy days by our double steel rake. Sixty days' trial right on your own farm.

PRICES

Complete manure spreader without truck, consisting of wagon box, driving mechanism, driving chains, two sprocket wheels for wagon wheels with adjustable bolts and clamps for attaching them, and, in fact, everything shown in the large illustration except the truck. Mud lugs are extra and furnished only when ordered and the proper price is allowed. Complete instructions for putting together and operating accompany each machine. Shipped knocked down so as to secure the lowest possible freight rates from our factory in Southeastern Wisconsin.

No. 11X990 55-Bushel Kissel Manure Spreader Box for use on narrow track standard gears measuring 38 inches between bolster stakes. Weight, 625 pounds. Price..... \$44.95

No. 11X991 65-Bushel Kissel Manure Spreader Box for use on wide track standard gears measuring 42 inches between bolster stakes. Weight, 710 pounds. Price..... 49.95

No. 11X992 Set of Eighteen Mud Lugs. Weight, 10 pounds. Price..... 1.65

IF A TRUCK ALSO IS WANTED WE CAN FURNISH AT THE PRICES QUOTED BELOW.

No. 11X993 55-Bushel Kissel Manure Spreader Box, complete with truck, 3x9-inch cast skeln, 3x 3/4-inch tires; wheels, 3 feet 4 inches by 3 feet 8 inches high; 4-foot 6-inch track only; 38 inches between bolster stakes. Total weight, 1,275 pounds. Price..... \$80.70

No. 11X994 65-Bushel Kissel Manure Spreader Box, complete with truck, 3x9-inch cast skeln, 3x 3/4-inch tires; wheels, 3 feet 4 inches by 3 feet 8 inches high; 5-foot 2-inch track only; 42 inches between bolster stakes. Total weight, 1,355 pounds. Price..... 85.70

All the features and points of superiority are fully explained in our latest big Spreader Circular No. 65K10, a copy of which is waiting for you. Ask for it today and we will send you at the same time a valuable booklet giving results of government investigations on the value of barnyard manure.

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22 Caliber Hunting Rifle For Every Boy

This splendid rifle is over 30 inches in length. The barrel is 16 inches long, and finely rifled. It has a built up steel jacket giving it great strength and durability. The rear sight is open and adjustable and the front is a knife sight. The gun has the hammer action and the shell is automatically thrown out when the barrel is "broken down" for reloading. The gun shoots 22 caliber long or short cartridges.

This is one of the finest rifles made for boys. I want you to have one. All I ask of you is a little easy work. Write me today and I will tell you all about the gun and how you can get it.

J. M. Piper, 120 Popular Bldg., Des Moines, Ia.

THE FARM



In our travels this summer we observed the rapidly decreasing acreage of prairie grass pasture and noted the fact that as yet no grass has been found which in central Kansas is a substitute for prairie grass. The decrease in acreage of the native grass and the failure to find a satisfactory substitute, has led farmers to pasture other crops which they grow. On a recent trip we saw no less than half a dozen alfalfa fields being pastured by cattle and from appearances we should judge that alfalfa on each of these farms had the past season furnished all the pasture. The matter of pasturing alfalfa has heretofore been considered as dangerous. It has been regarded that the danger of loss from bloat was entirely too great to justify the running of cattle on alfalfa. While not having an opportunity to talk to those farmers using alfalfa for cattle pasture, it is our opinion that farmers need not be afraid to pasture alfalfa to a considerable extent if due precaution is taken.

On the farm of the editor's father it was the custom to pasture the first crop of alfalfa in the spring of the year and also pasture off the last crop. Alfalfa furnished the first green feed of the spring and the last green feed of the fall. The alfalfa was pastured without regard to weather conditions except that during extreme wet weather the cattle were kept off the alfalfa in order to prevent damage by tramping. In our experience of six or eight years of pasturing alfalfa in this way, we did not have a single case of bloat. It is our idea that a hungry animal turned onto a rank growth will eat so ravenously as to broat whether pastured on alfalfa, rye, wheat or any other rank growing and succulent pasture. At this time also we had a neighbor who for a year had no other pasture than alfalfa, and in lieu of the native grasses he was very well satisfied with the results obtained from pasturing alfalfa. His alfalfa field of 25 acres was divided into five-acre lots and he was able to maintain ten head of cows, all his young cattle and four work horses on this acreage. This man was troubled somewhat with bloat but not to any serious extent. On the above acreage he was able on one or two fields to cut a crop or two of alfalfa for hay each year. It may be that alfalfa will make as permanent or as satisfactory a pasture as other grasses which may be used in the drier section of Kansas, but we believe that alfalfa can be pastured with a considerable measure of success. In the attempt precaution should be exercised.

Speaking of pasturage, we have this season noted a number of instances in which cows and calves were pasturing sorghum and Kafir corn. This was considered a few years ago a very dangerous practice and may be so at the present time under certain climatic conditions and under certain stages in the growth of these plants. In our own experience we have pastured sorghum and Kafir corn both first and second growths without damaging results. We have known, however, serious loss on account of other farmers attempting to pasture these plants, and we are not prepared to state at this time that these plants do furnish a safe pasture. The preponderance of evidence is against their use for pasture. It is our opinion, however, that a careful trial when it is desirable to turn cattle onto these crops will determine without loss when pasturing can be safely done. The experiment stations, so far as we know, have developed nothing new with reference to the pasturing of Kafir corn and sorghum, and have generally cautioned farmers against the practice. It is our belief that the farmer is entirely too cautious in undertaking to provide green feed for his live stock. Any kind of green feed is superior to dry feed as the average farmer will feed it. The cheapest feed known on the

farm is the succulent green feed. We should arrange to provide green feed and pasture for as great a number of the months of the year as possible. The farmer can and should experiment a little on his own account. When he does this he will find that he can do a great many things which he has regarded as heretofore impossible.

With the decreasing acreage of native prairie grass pasture it is easy to discern the cause. The pastures are first taken by weeds and when the grass is entirely exhausted then the sod is broken up and seeded to field crops. The Kansas Experiment Station as well as experiment stations of other states have for years been studying ways and means of renovating native grass pastures. In brief, the best plan of renovating is that of keeping the weeds mowed thus weakening the weed roots. No weed can exist without a top. The leaves of the weed are the lungs through which the weed breathes and if deprived of lungs the root cannot live. So continued mowing results in weakening the weed roots. Mowing permits the sunshine to reach every blade of grass. The sun strengthens the depleted grass roots. We have known of very weedy pastures on which the plan of mowing the weeds had been faithfully followed year after year which resulted in a yearly improvement and finally of a good native grass pasture. As yet no grass has been discovered which makes a satisfactory substitute for the native grass pasture, and it is our opinion that the native grass should be taken care of. If this is so, a system of renovating must be persistently employed.

We have seen in central Kansas weedy pastures plowed up, the sod harrowed until the field was smooth, and the fields then allowed to lie idle for two or three years and the weeds kept mowed. The plowing destroyed many varieties of weeds, and the prairie grass took new life and vigor and within a few years made a very satisfactory pasture. Under this system, however, the tendency was for the grass to grow in bunches, but these bunches rapidly spread, with the result that a few years after plowing a typical prairie grass sod appeared and the pasture became as good as originally. The subject of providing good pastures is worthy of much study. It is a good thing to think about this winter and to act upon next spring. Unless we can provide pastures we must do other things which heretofore have not looked good to farmers generally.

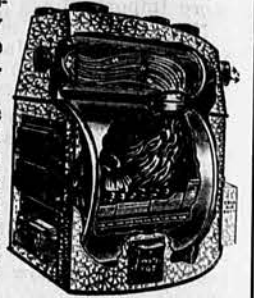
In the extreme southern part of Kansas, and especially in Cowley, Sumner and Sedgwick counties, practically all plowing for wheat had been done by the first week in August this year. In traveling from Topeka south it was observed that the farther south we traveled the more plowing had been done. Along the line of the Santa Fe from Florence west and south more than one-half of the fields which had grown wheat this year had been plowed and put in good condition for seeding. This tends to indicate that in the large producing wheat sections of Kansas early plowing is recognized as necessary for the best results. Our trip extended into Reno, Rice and Barton counties. Each of these three counties are large wheat producers. In these counties practically all plowing for wheat had been done by August 10. In these counties the fields had been harrowed and the soil appeared in excellent condition for seeding. There were fields, however, which had been plowed later and had not been harrowed and which were dry and cloddy and were not in condition for seeding unless heavy rains should fall before seeding time. It is our judgment that these early plowed and early harrowed fields will produce an average of at least ten bushels more wheat per acre than those fields which have been plowed later and which have

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not been harrowed and the seed-bed placed in perfect condition before seeding. It is our observation that in the large wheat growing counties the farmers are better wheat farmers than are those counties which produce smaller wheat crops. It has also been our observation that in the largest corn growing counties farmers do more work on the corn fields than in those counties in which a smaller quantity of corn is produced. This would indicate that farmers devoting special attention to the raising of wheat or corn are specialists and are much better farmers for each crop than are those farmers who grow corn and wheat as a part of a haphazard system of farming.

Six or seven years ago this editor spent a week or ten days in Nemaha and Brown counties, two of the leading corn counties of the state. The time was early in March. Corn planting had not yet begun. However, farmers were busy on their corn fields. The corn stalks had been cut and the fields, many of them, had already been disked two or three times while other fields were being disked the fourth or fifth time. Farmers told us that as soon as the frost was out of the ground they began working their corn land and continued to work it continuously until corn planting. There was more work done in these two counties on corn fields that year than would have been done in our home county, Dickinson, on the same acreage in a period of five or six years. It was apparent at once why in these northeastern counties large and almost incredible crops of corn were produced as compared with the crops grown in other sections of the state. These northeastern farmers were corn farmers. They realized the necessity of conserving the moisture of the soil and in having a perfect seed-bed for the planted corn. It is our opinion that whether in farming wheat or in farming corn or any other grain, it pays to be a good and thorough farmer.

Where Alfalfa Will Grow.

One by one the oracular statements of so-called alfalfa experts have been shown at fault. One said: "It will grow wherever corn will grow;" and as promptly men from New York and Louisiana rise and say: "It will not grow over a hardpan or gumbo subsoil; at once a New York man reports a good field of alfalfa with roots fifteen feet long that pass through six inches of hardpan so hard that it had to be broken with a pickaxe in following the root. A Kansas man writes that he has eighty acres that has stood five years and promises to continue indefinitely, yielding 4½ tons

from three cuttings a year, and the whole of it on gumbo soil where corn raising was a failure. Another declares: "It must have a rich, sandy loam," and forthwith from the deserts of Nevada, the sand hills of Nebraska and the thin, worn, clay soils of the South come reports of satisfactory yields. Such results are significant, indicating better returns than any other crop brings from these varied soils, and that few farmers are justified in postponing the addition of alfalfa to their agriculture because of supposed hindrance of soil and climate.—From Coburn's "The Book of Alfalfa."

Modern Silo Construction.

This fall many inquiries have been received asking for silo information. Any farmer who intends to erect a silo will find Bulletin No. 100, "Modern Silo Construction," a very valuable help in deciding on the type and size of silo to build. A great many practical hints on the details of construction are also given. Copies of this bulletin can be obtained free by applying to C. F. Curtiss, director Iowa Experiment Station, Ames, Ia.

Durum Wheat Day in North Dakota.

In compliance with a proclamation of Governor Burke, most North Dakotans on October 7 ate Durum wheat only. The proclamation was issued in compliance with a request of the grain growers of North and South Dakota and Minnesota for the purpose of establishing durum wheat as a bread grain. The day was observed throughout the state. All breakfast and wheat foods were made of durum and the sales of that quality of flour were heavy in consequence.

Durability of White Mulberry for Posts.

To the readers of KANSAS FARMER:—I would like information in regard to the durability of the white or Russian mulberry when used for fence posts. The wild mulberry that grows along the streams of eastern Kansas we know is a very durable wood when used for posts, but having never seen the white or Russian mulberry used for that purpose I do not know how they would last. Will some one who knows please answer through KANSAS FARMER and oblige?—J. W. Hall, Hoyt, Kan.

Whitewash Paint.

This paint is said to be valuable on rough lumber and especially on old and weather beaten buildings. Take two bushels of fresh lime, or good fresh slaked lime will also do, but the first is preferable. Put the lime in a water tight barrel and put in enough water to thoroughly slake it. Add

twenty-five pounds of beef tallow and stir occasionally until the tallow is thoroughly incorporated with the lime. Less than this quantity can be mixed by observing the proper proportions of lime and tallow. For coloring matter, earth colors must be used, such as yellow ochre, venetian red or burnt umber. The combination of lime and tallow form a waterproof and weatherproof coating which fills the pores of the wood and arrests the action of the weather upon wood. To make a good job, cracks and holes in the siding of buildings should be filled with the paint in its paste form, and if filled as they are come to and immediately painted over before getting dry, will not show spots or streaks.

National Yields of Wheat.

According to the Crop Reporter issued by the United States Department of Agriculture, the average Russian yield of wheat for ten years ending with 1908 was 9.3 bushels per acre; United States, 13.9; Hungary, 17.9; Austria, 18.3; France, 20.8; Germany, 28.4; Great Britain and Ireland, 32.6. The average crop was 20.1 bushels per acre. The United States and Russia make a poor average showing of the countries named, but they export the most wheat. Great Britain and Germany, although making the largest yields per acre, import the most wheat.

Broom Corn Crop Short.

The crop of broom corn just being harvested is the shortest ever recorded in the great southwest territory. With an acreage fully as large as usual the Oklahoma and southern Kansas brush producing district will not yield more than one-sixth of an average crop.

Prices are soaring as a result of this condition. Whereas the price ranges from \$60 to \$70 per ton ordinarily, this year the poorest kind of brush is selling at over \$100 per ton while the best quality is selling at as high as \$200 per ton.

The average yield in the district tributary to Wichita is from 50,000 to 60,000 tons annually. This year it is estimated the yield will not exceed 10,000 tons. Fully 90 per cent of the visible supply is said to be marketed already.

The Two-Way Plow.

From the time the old side-hill plow was first made until the present there has been a growing demand for a plow that will turn the furrow either to the right or to the left. The side-hill plow has done very good work in its place, but it is worthless on level land. This type of plow has but a single mold-board, which is invertible, that is, when one side is up, the furrow is turned to the right, and when the other side is up, it is turned to the left. With a plow of this kind the operator is able to begin plowing at the bottom of a hill across the slope and turn all furrows down, the slope aiding in the operation.

At present there are several plow manufacturers making what is called the two-way plow. This is made in both the mold-board and disk types. With it the operator is able to plow level land as well as hill-side land. It is often of double plow construction: one plow turns the furrow to the right, and is used but one way across the field; the other turns the furrow to the left, and is used in the opposite direction.

The disk is usually made reversible, one disk doing the work in either direction by simply changing its angle.

These two-way plows are somewhat heavier and slightly more complicated than the ordinary one-way plow. For many conditions, they have several

points of advantage as follows:

First, all the plowed land is kept in one body.

Second, the ground is left in practically as level condition after plowing as it was before. There are no back furrows or dead furrows. The operator begins work on one side of the field and finishes the entire field as he goes.

Third, there is no extra traveling across the ends.

"Ground-Bur-Nut."

The plant sent for identification, sent in a pastboard box, is from an unsigned correspondent from Medicine Lodge. It is identified as "Ground-Bur-Nut." It is also called Land-Caltrop. Its scientific name is "Tribulus terrestris."

It belongs to the Caltrop family of plants, of which the scientific name is "Zygophyllaceae." This family is almost entirely a group of plants living in dry, warm regions and sandy deserts all around the world. The tribe of the family to which the plant in question belongs, is known as the Tribuleae. This tribe contains three genera, of which the genus Tribulus contains about twelve species which are for the most part herbs, inhabiting dry land in warm regions. This species Tribulus terrestris which was sent to me, and which is found occasionally in Kansas, is native to sandy and dry regions around the Mediterranean sea occurring also from the Danube River and the Steppes of southern Russia east to Tibet, and even in Tropical and southern Africa. It also occurs here and there in the warmer parts of Asia, and in the warmer regions of South and North America. It is probable that it is not a native of the western continent, but that it has been introduced by accident.

The plant is of no value or importance, although it is rather interesting to know that the flowers were formerly used as an astringent in medicine.—H. F. Roberts, Kansas Experiment Station.

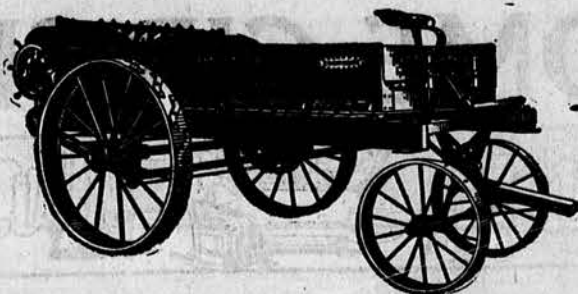
Lime is an essential element in the production of eggs and if there is no limestone gravel or old plaster in the neighborhood of the poultry yard, some substitute should be provided. Oyster shells and ground bone contain lime; they also will serve as grit and are highly relished by all fowls. Bone, however, is digestible and is used as food while oyster shells serve more in a mechanical manner by assisting in grinding the food, being somewhat better than bone in that respect, because of having sharper edges for cutting. Oyster shells are very cheap and there is no reason why they should not be provided.

More Cream from Fewer Cows.

The Santa Fe K. S. A. C. "Dairy Train" will have a new slogan, Oct. 25 to Oct. 30. The Agricultural College through its extension department is announcing another traveling school, a school for dairy farmers. Kansas, especially eastern Kansas, has so many advantages for dairying, alfalfa, clover, corn and fine pastures, and the markets are so superior that it is a wonder that dairying has not gotten a firmer hold. The college has been sending out its lecturers for four years in southeastern Kansas, advocating dairying and alfalfa and now it has arranged with the industrial department of the Santa Fe to conduct a "dairy train," stopping in six days at sixty-nine towns. The train will carry two lecture cars and all but the evening lectures will be given in the cars at the depots. The train will travel on a close schedule and the train will stop but forty minutes at a place. Hence farmers and dairymen must be prompt.

Schedule K. S. A. C. Dairy Train.

Monday, Oct. 25—Leave Topeka 7:50 a. m., arrive Tecumseh 7:57 a. m., Leocompton 8:50 a. m., Lawrence 9:45 a. m., Eudora 10:35 a. m., DeSoto 11:25 a. m., Wilder 12:30 p. m., Craig 1:33 p. m., Olathe 2:25 p. m., Gardner 3:17 p. m., Edgerton 4:05 p. m., Wellsville 4:52 p. m., Ottawa 5:55 p. m.
Tuesday, Oct. 26—Leave Ottawa 7:20 a. m., arrive Princeton 7:50 a. m., Richmond 8:50 a. m., Garnett 9:45 a. m., Weida 10:41 a. m., Colony 11:36 a. m., Carlyle 12:26 p. m., Humboldt 2:06 p. m., Chanute 3:07 p. m., Barton 4:02 p. m., Thayer 4:56 p. m., Cherryvale 6:10 p. m.
Wednesday, Oct. 27—Leave Cherryvale 7:25 a. m., arrive Independence 7:45 (drop speaker), arrive Havana 8:15 a. m., Independence (pick up speaker), Elk City 9:50 a. m., Longton 10:50 a. m., Buxton 11:50 a. m., Fredonia 12:45 p. m., Benedict 1:45 p. m., Cozville 2:45 p. m., Toronto 3:40 p. m., Quincy 4:35 p. m., Virgil 5:25 p. m., Madison 6:30 p. m.
Thursday, Oct. 28—Leave Madison 7:00 a. m., arrive Hamilton 7:30 a. m., Eureka 8:50 a. m., Severy 10:00 a. m., Howard 11:05 a. m., Moline 12:15 p. m., Grenola 1:10 p. m., Cambridge 2:25 p. m., Burden 3:15 p. m., New Salem 4:10 p. m., Winfield 5:05 p. m., (Southern Kan. Depot) Mulvane 6:45 p. m.



Barnyard Manure is the ONE PERFECT FERTILIZER

BARNYARD manure contains all the elements of plant food. Every ton of stable manure is worth from \$2.00 to \$4.00 or more, based on the commercial value of its fertilizing content. But, based on the increased crop yield, it is worth much more—just how much depends upon how you care for it and spread it over your land.

Get full value—not half value—out of the manure. There is only one way. Spread it with a machine which pulverizes all of it, and spreads it uniformly, and as you want it, broadcast over the land or in rows.

Your farm will maintain its own fertility if you give it a chance. You don't need patent fertilizer which only contains a few of the necessary plant elements. Save the manure and spread it with an

I. H. C. Spreader

You make the wisest possible investment when you purchase a Kemp 20th Century, a Cloverleaf or a Corn King spreader.

These machines differ in many features of construction and operation, but they are all right-working, and that is the essential point. They all avoid the waste of manure, greatly reduce the time and labor of handling, and rob manure spreading of its disagreeable features.

You may have a large farm; you may have a small farm. No matter what the size, you will find an I. H. C. spreader to suit your requirements.

Join the ranks of Soil-Builders. It will pay you big money.

Call on the International local agent—see him about a spreader for your own use. He will cheerfully give you catalogues and complete information; or, if you prefer, write us for further information.



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NATIONAL RAILWAY TRAINING ASSOCIATION.
Applications from colored men not accepted. Kansas City, Mo.

Friday, Oct. 29—Leave Mulvane 7:40 a. m., arrive Rose Hill 8:00 a. m., Augusta 9:02 a. m., Eldorado 10:00 a. m., De Graff 11:00 a. m., Burns 11:55 a. m., Florence 12:55 p. m., Strong City 2:10 p. m., Hymers 3:13 p. m., Diamond Springs 4:05 p. m., Burdick 5:00 p. m., Tie up at Strong City.

Saturday, Oct. 30—Leave Strong City 7:30 a. m., arrive Emporia 8:00 a. m., Neosho Rapids 9:00 a. m., Lebo 9:50 a. m., Olivet 10:41 a. m., Melvern 11:35 a. m., Quenemo 12:25 p. m., Lyndon 1:35 p. m., Osage City, 2:45 p. m., Burlingame 3:38 p. m., Carbondale 4:31 p. m., Topeka 5:46 p. m.

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Topeka, Kansas.

HOME CIRCLE



Housekeeping Helps.

To be conscious of the household machinery is most unpleasant to a really good housekeeper. One of the trying things to contend with is the odor through the house of cooking. A liberal sprinkling of cinnamon on a hot stove lid or open fire entirely destroys the most disagreeable odor.

All spices should be plainly labeled. Not having cans already marked, use laps of envelopes. Write or print on them what you want. Use on either cans or bottles. The envelopes need not be wasted, as they may be used for holding recipes or clippings.

When boiling anything needing constant stirring a large glass marble placed in the kettle is far better than a spoon. The boiling keeps the marble moving and prevents burning.

A whisk broom is ideal for sprinkling clothes. If dipped lightly in the bowl you will find it evenly distributes the water.—Interested Reader in Wallace's Farmer.

When the gums are tender and bleeding, the mouth should be rinsed with warm water to which listerine has been added.

Hot water is most efficacious in relieving a paroxysm of coughing and is much better than ordinary cough mixtures which often spoil the digestion. The water should be almost boiling, and should be sipped when the attack of coughing comes on. The irritation is relieved because the hot water promotes secretion which moistens the irritated surfaces. Hot water also promotes expectoration, and so relieves a dry cough.

Two tablespoonsful of molasses will help a spice cake to keep moist much longer. It should also be used in fruit cake, whether the recipe calls for it or not. Shutting it up in a tight tin box before it is quite cold will also keep a coffee or spice cake moist until it can be entirely used.

It is claimed that coffee, when taken without cream and sugar, is a gentle stimulant to the stomach, but when mixed with the fat of cow's milk, the oily nature of the latter retards the action of the gastric juices upon the albuminous substances taken at dinner. The fat floats upon the surface of the digestive fluid, delaying the solution.

To Properly Wash Linoleum.

Linoleum-covered floors are washed with plain soap and water, many a handsome linoleum is spoiled by the too lavish use of strong soap, and the floor, which has been treated to a varnish stain, and which only one rug or two will cover is rubbed well with wax oil and then polished with a dry cloth till it looks like a sheet of burnished brass or bronze.

Wax oil is a preparation put up to order at the paint supply store. The seller knows the right proportion for each ingredient, and when he hands you the big quart bottle, which he warrants to last a good year, he demands only twenty-five or so cents in exchange.

Little Folk Must Help.

"We must depend on the little folk to take up this battle for the birds which we have waged for years all over the country," says William Dutcher, president of the National association of Audubon societies. "Besides the great sentimental interest which the children take in the feathered songsters of their country, they must be taught that their native land will become barren in a few generations if the insect-eating birds are not preserved and increased. This is a great and vital work of national education, and we hope to rally thousands of parents to its active support."

Just Be Natural.

Do not make yourself unhappy if you cannot change old furniture for the modern style your heart desires. First study closely possibilities of what you have. Learn to group like things together. Study harmony of color and

design. Do not allow colors which do not harmonize next each other. In selecting floor coverings and wall paper, shut your eyes to florid patterns in bright colors. Do not "sky" your pictures. Bring them down where the eye can enjoy them without stretching the neck. It is the warm, cheery, hospitable spirit that makes a room beautiful. Just be natural.

Always fill your cup with love and cheer for your home people, giving the overflow to outsiders.

Real Fun For Hallowe'en.

Every boy feels that he has a special right on Hallowe'en night to go out and have some fun. Somehow or other the fun is very apt to be at the expense of other people. It may seem very amusing to take gates off their hinges and hide them; but this is cruel fun, for it makes work for the older people who have to put them back again.

Ringling doorbells is another standing joke that may turn out badly. Some boys once stood a board up against a front door, rang the bell and ran across the street to see what would happen. A woman came to the door with a lighted lamp in her hand, and the board fell against her, smashing the lamp, and setting her on fire, so that she was terribly burned.

There are plenty of ways of having fun without injuring anybody, and a good plan is to get up a hallowe'en masquerade party. Let every boy hunt up the queerest old clothes he can find and dress in them, so that the others will not know him. If he has not a mask he can rub his face with burnt cork, or paint himself to look like an Indian, doing anything that will make it hard for the other boys to recognize him.—The Delineator for October.

One Kind of Indian Art.

At a recent employees' meeting at the Haskell Institute some entertaining stories were told concerning Indian art. Dr. Buchanan told of an Indian woman who in looking at the many tourists passing through on the trains noticed that nearly all held a paper. She thought this strange object must certainly be the white man's god, so when a small piece of one blew out of the window of a car she ran swiftly after it and captured the prize. She carried it to her home and in the next blanket wove the word, "Chicago," seen on the paper, feeling sure that it would bring a large price. Her disappointment was great when this blanket did not win favor.

Miss Parker said that in the part of the West where she had once been employed the Indians were fond of copying letters in their bead-work, but they were often of irregular height. The employees told them that they should make their letters of uniform height. One day one of the Indians brought in a handsome bead belt. Around it, in letters that were beautifully exact and even, were the words: "Keep in a warm dry place." A great deal of condensed milk is used in that part of the country and she had used the label on one of the cans as a copy.—Indian School Journal.

A Partnership.

Shall I tell you how a pair of orioles took me into partnership with them in nest-building in June? asks a writer in Our Dumb Animals. They chose for a site one of the elms in front of the house and the end of a limb that dropped to a level with my window, where I could sit and easily watch the proceedings.

They began the frame work, but strings seemed to be scarce and the foundation grew slowly. I had a full supply of twine, some of which I broke into convenient lengths and threw over the low growing shoots of the elm trunks. They watched me closely and when I got back to the piazza they nodded to me as if to say, "Thank you." In three or four minutes they had carried up to the nest six lengths of twine. It took fifteen or twenty minutes to wind them about the twigs and weave them in and out and shape them. Then I carried out more twine and, in less time than I can tell it,

that was also carried up to the nest. And so I continued to supply strings until they had all they needed. Then they felted in the filling without my aid, and the nest was quickly completed.

The parents have gone to the woods with their little ones, but every day or two the male comes back to the trees and utters a note or two to tell me all is well.—Exchange.

Pretty Hallowe'en Table Fancies.

A particularly pretty table fancy was shown at an informal evening party where the supper served was "en buffet." Lighted jack-o'-anters were placed on the sideboard and a large weirdly-shaped Japanese lantern hung directly over the dining room table. The table was round and was covered with a bright yellow cloth. Two large brass platters were placed at one end of the table with a proper distance between them to give them the effect of being big round eyes. A large round cake iced with pistachio frosting filled the center of each platter while a rim of small white cakes outlined them prettily. The "nose" was another round dish filled with little round nut sandwiches and the "mouth" was a half moon of small round brass dishes filled with fruits, bonbons, nuts and so forth.

Each feature was outlined by bitter-sweet vine and the effect was as novel as it was charming. Having the features not too close looked best. A pretty table for Hallowe'en or for any autumnal party can be planned by having the table bare with big dollies cut from scarlet material in the shape of maple leaves. For a centerpiece a dish or bowl of highly polished fruits looks most dainty, draped with the airy clematis. If for Hallowe'en a bare branch can rise from the center of the fruits on which can be perched two or three saucy looking paper owls.

Strings of small red apples and gilded nuts can depend from the chandelier, while loops of popcorn rubbed with phosphorus are effective when the only light is shed from jack-o'-lanterns.

Little crook-neck squashes, hallowed out, make delightful little horns of plenty to fill with bonbons or candied fruits, while apples and oddly shaped potatoes will serve nicely for candlesticks, having the candles colored red, green or yellow.

Matches.

Matches play a very important part in fire history. Fire Marshal Peter Seery, of the New York fire department, says in his last report that in the boroughs of Manhattan, Bronx and Richmond, during the year 1908, there were 8,642 fires. The cause of 3,460 of these fires was ascertained. More fires were caused by matches than by any other cause. The number of such fires, 1,728, represents more than one-fifth of the total number whose origin was learned. The average loss per fire in New York City during 1908 was \$717.18; so that these 1,728 fires must have caused fire damage of nearly a million and a quarter dollars.

Very many of these fires, to be sure, occurred because persons were careless with matches after lighting them. In such cases one match is as dangerous as another. But in fires occasioned by matches when there was no such carelessness, the old style parlor match was almost wholly to blame. And there were many such fires.

The rubbing together of matches in coat pockets has already been mentioned. It is a prolific source of fires. Many women have been badly burned by stepping on matches and thus igniting their skirts. More little children are burned, according to Marshal Seery's report, by playing with matches than in any other way. And many homes have been destroyed by fires caused by mice gnawing at matches. One of the most striking exhibits in Fire Marshal Seery's interesting collection is a box of partly gnawed matches. For some reason, probably because of long-continued damp weather, the matches did not ignite. If they had, there probably would have been another tragedy to tell.

All of these things are an argument in favor of the safety match. In the preparation of this match the sulfur is omitted from the combustion on the match head, and and combined with sand and applied to the box so as to form a friction surface. Unless rubbed on this surface, the match will not ignite.

Matches of this kind may be carried with perfect safety in the coat pocket.

They cannot ignite from being rubbed together. They may be dropped on the floor with impunity. Stepping on them will not fire them. If one of them chances to drop through a chink in the floor and lodges among the rafters, the householder can rest in peace. No hungry mouse can set his house afire. No more can he start a blaze by gnawing at a box of safety matches. Even the children are in less danger with this form of match. For, without the box, they cannot ignite the matches that may fall into their hands, and the boxes can usually be kept out of reach.

The day of the old-fashioned match is past. Even the match manufacturers realize that, for they are now largely making a semi-safety match that can be ignited only by scratching the very tip. Insurance companies are paying attention to the fact, for it is now possible to secure insurance on certain properties only upon condition that, nothing but safety matches shall be used in the premises. Householders cannot afford to be less careful in guarding their own interests.—Louis Edwin Theiss in October Good Housekeeping.

Mystery of the White Elephant.

It was so grand—the circus parade. John gazed after it with wide-open eyes, but when the great elephant heaved in sight, he exclaimed, "He is a whopper!"

Just how Emperor (that was the giant elephant's name) broke away from the procession, no one seemed to know exactly, but the big gray beast had gone on a rampage—everybody guessed right about that.

It was time for the afternoon performance, and no Emperor! Now the smaller elephants did many interesting tricks, the least of which was to sit upon their haunches for all the world as did John's dog when begging for a piece of meat. The only difference was that Shep could bark, and they couldn't.

But Emperor was so huge and so fond of having his own way, that his trainer never required him to do anything excepting to march around the circus ring to the tune of "Dixie."

It was such a change for Emperor to get away from the circus for even a little while, and he made up his mind to enjoy it for all it was worth. First, he struck an open field, and as no one went near to hinder, he nosed around with his trunk, until he found something that must have struck his fancy, for pop, it went right into his funny mouth.

After that he found an orchard, and what with stripping off a few branches from the trees, and munching about a peck of fruit to stay his appetite until his regular dinner hour, Emperor was having the time of his life.

The farmers kept at a safe distance from him; then they went to inform the circus men (who were already on the hunt for him) of his whereabouts.

In the meantime, he left the orchard, and went lumbering toward a farmhouse, halting before an open window which looked into a big kitchen. When he put his trunk through, May Ann fled in terrible fright; but Emperor found something there that tickled him mightily (never mind what it was for the present), and he probably would have remained there longer, only that he heard sounds which caused him to move his great ears.

The sound was nothing less than the familiar tune of "Dixie," and habit proved even stronger than love of liberty, for away went Emperor in the direction of the magical music.

"Out of the way there!" yelled the circus man.

"It's a white elephant! bless my eyes!" shouted another.

Sure enough, it was a white elephant, but he marched right along with the band of musicians.

"It's Emperor—that's him!" yelled a country lad; "I seen him throwin' white stuff all over his back!"

Mary Ann ventured out of her mistress' door to watch the white elephant as he strode down the road. Then she went back to her kitchen.

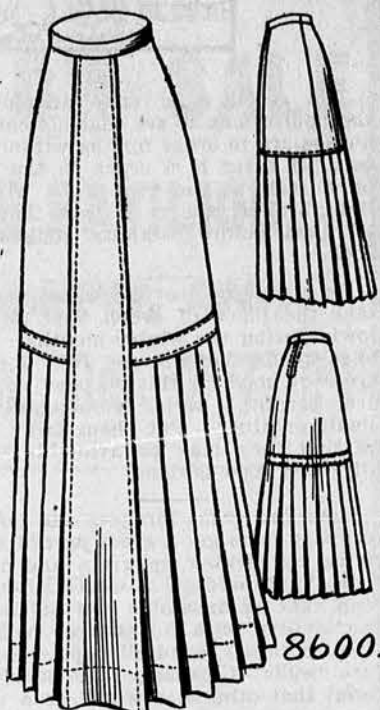
One glance toward the open window was enough. There stood her flour barrel, and by the looks of things, it must have rained, or rather snowed, flour. It was over everything.

Certainly Emperor had had a glorious lark powdering his bulky body. But his keepers lost no time in turning the hose upon him, so that the next time John saw him, his rough hide was as gray as ever it was before.—S. Virginia Lewis, in Housekeeper.

FASHIONS



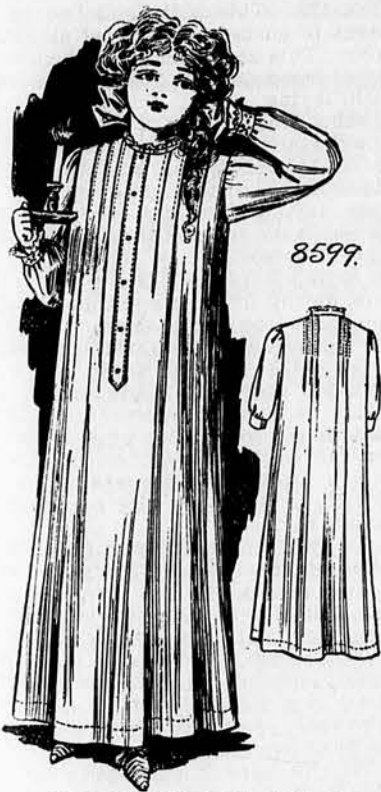
the lower edge of the skirt, and is joined to the plaited flounce. This skirt may be effectively developed in gray mixed tweed with touches of bright red. Mohair Panama or serge are also appropriate. The pattern is cut in 5 sizes, 22, 24, 26, 28, 30 inches waist measure. It requires 5 1/4 yds. of 36 inch material for the 24 inch size.



No. 8342.—A Becoming and Desirable Coat for the Little Boy or Girl.
The plainer a garment of this kind, the more practical as well as becoming it is. The model here shown is especially simple and easy to make. The loose shaping makes it easy to fit. It is suitable for frieze, covert, mohair, cheviot, serge, and other coatings now in vogue. The pattern is cut in five sizes: 2, 4, 6, 8 and 10 years, and requires 4 1/4 yards of 44 inch material for the 8 year size. Braid or gimp may be used for trimming with buttons or loops and frogs for the closing.

Nos. 8597, 8355—A Street Suit of Fancy Cheviot.

A particularly smart walking suit is here illustrated. It was made of fancy tan cheviot with a green stripe; the coat collar is of green moire. The coat shows the latest shapings and lines, and has a large patch pocket that may be omitted. The skirt is simple and practical and may be trimmed with braid or self bands if preferred. It has a plait at each side front seam, underneath, and a group of stitched plaits at the center back. The jacket is cut in 6 sizes, 32-34-36-38-40-42 inches bust measure, and requires 3 3/4 yards of 44 inch material for the 36 inch size. The skirt is cut in 5 sizes, 22-24-26-28-30 inches, and requires 4 yards of 44 inch material for the 26 inch size.



No. 8599—Misses' Night Gown.
The dainty underwear that is made at home is much more satisfactory than that purchased in the shops. The design here shown is very simple and easily made. Tucks in the upper part of front and back, afford sufficient fullness, and the sleeves can be either in long or short length. Narrow lace finished the sleeve and neck edge. Cambric, nainsook and long cloth are all used for the purpose. Sizes 12-13-14-15-16-17 years. Requires 4 1/4 yards of 36 inch material for the medium size.

No. 8600—Ladies Skirt; New and Stylish Skirt Model.
Here is one of the latest designs in skirts. The upper portion is cut in smooth fitting sores, with a panel front that extends to



Two Fudge Recipes.

Two cups of granulated sugar, 1/4 cup of cream, 2 squares chocolate, 1 tablespoon of butter; boil 7 minutes, then beat and spread in buttered tins to cool. Two cups of brown sugar, 1/2 cup of cream, 1 teaspoon of vanilla, 1 cup of chopped walnuts, butter size of egg; boil ten minutes, then beat and pour on top of fudge already in pan.

Walnut and Fruit Glace.

One cup of sugar, 1/2 cup of water. Mix together until sugar is dissolved. Then boil until a little makes a crisp ball in water. Do not stir. When cooked drop by spoonfuls on buttered platter. Place on each piece 1/2 walnut or a slice of orange or strawberry. Then pour more candy over it and let it cool.—Chicago Tribune.

EACH PATTERN 10 CENTS.

The Kansas Farmer, Topeka, Kan.

Please find enclosed cents, for which send patterns as follows:

Size. Number.

Name.

P. O. R. D. State

A SPLENDID FARM BARGAIN

We offer for sale, a 3,100 acre farm and stock ranch, in Eastern Kansas, 77 miles from Kansas City, on railroad, with switch, station and stock yards on the place. A freight train to Kansas City at six o'clock in the evening, takes stock to the early market next morning. There is a passenger train to Kansas City in the morning, which returns in the evening. All trains, freight and passenger, stop on the farm, upon signal.

The farm is fenced and cross fenced with stone and wire, about 14 miles of the fence being stone. There is about 600 acres enclosed by hog tight fences.

There is a large three story stone dwelling house, that cost over \$25,000. There are seven large barns, sixteen wells and cisterns, and a separate set of improvements about one mile from the main buildings.

There are 250 acres in timothy and clover, about 100 acres of alfalfa, and 500 acres cultivated for other crops; 300 acres of prairie hay, and the balance 2,000 acres, pasture. At least 2,800 acres can be plowed. No running stream, but plenty of ponds reliable in the driest time.

The farm was on the assessment rolls last year (1908) at \$104,640, and the personal property, then on the farm, at \$13,325, a total of \$117,965; the tax on land and personal property was \$573.86, about five mills on the dollar.

The county seat is 19 miles, and a prosperous trading town three miles away. There are churches, schools, etc., in the village, and a district school adjoining the property.

On the farm, at present, are 200 head of stock cattle, including fifty high grade Aberdeen Angus cows, and three registered Aberdeen Angus bulls, 300 hogs, Duroc Jerseys, about 40 horses, including an imported Percheron stallion, and a Spanish-Mammoth jack; also all necessary implements.

About 1,000 tons of alfalfa, timothy, clover, prairie hay and rough feed are now in the barns and stacks. The personal property, stock, etc., is worth about \$20,000, which does not include 600 head of steers, for the fall market. About 900 head of cattle and horses were kept this year. We will include stock and personal property in the sale, or will sell the farm alone. The price of the farm, without stock, is \$130,000. The farm can be subdivided into smaller tracts.

Long time and low interest will be given on from one-half to two-thirds of the purchase price. The farm will be deeded clear of incumbrance, and immediate possession given, if desired.

TROUTMAN & STONE, Owners

Topeka, Kansas

South Texas

offers exceptional opportunities in its development. It is a land ripe with future promise; a land where wealth untold can be taken from the fertile soil. It is a land that is being settled very rapidly, and wherein thousands of homes have been made within the last two years.

LAND IS STILL CHEAP

but it is increasing in value every day. The man who buys NOW can be independent in a few years and own a debt-free home. Twenty acres of this land will produce more than fifty acres in other sections. Two, and often three, crops are raised in one season. Plowing and planting goes on practically the year around. The uniform temperature, too, is a potent factor in the productiveness. Corn, alfalfa, rice, sugar cane, cotton—almost anything can be raised. Vegetables can be placed on the marked three weeks in advance of those of any other section.

WHY NOT INVESTIGATE

the possibilities of this wonderful land? Go on one of the semi-monthly excursions on the first and third Tuesdays of each month—when round trip tickets (good 25 days) are on sale at exceptionally low rates. Write me for full information about this garden spot of Texas. Do it today!



W. S. ST. GEORGE,

Gen. Passenger Agent, M. K. & T. Ry.

ST. LOUIS, MO.

An economical way of clearing or deep pan, use one egg and mix until coffee is to grind what will be needed it covers every grain; add one-half cup of water, and cover with an air-tight lid for two or three days, put in a bowl.

If You Raise Wheat, Oats or Corn



You need a Marseilles Grain Elevator. It will pay for itself in saving time and hard labor, handling one season's crop.

The overhead wagon hoist is not affected by ice or snow and will be found convenient at butchering times for hanging up the carcass or for other purposes where heavy lifting is required.

Elevators can be furnished mounted and with belt attachment for engine use when so desired.

Write for illustrated catalog to the

John Deere Plow Co.,

KANSAS CITY,

MISSOURI

Learn More About Cement

—Send for this Free Book—
It gives the facts about Portland Cement. It tells you how to choose and use cement so you'll obtain the best results. The more you learn about cement, the more you'll insist upon getting the best—
Ash Grove Superfine
This is the cement that will save you 20% of the amount of cement you will use. One reason is that it is ground 10% finer than any standard ground cement. The finer a cement, the stronger it is, the more and better work it will do. Learn all about it—send for our book, "Practical Cement Facts," Ash Grove Lime & Portland Cement Co., Dept. 21 Kansas City, Mo.



BIG SMOOTH UTILITY POLANDS AT AUCTION TUESDAY, NOV. 2, 1909

At my farm six miles west of Clay Center

20 BOARS — 15 FEMALES

1 January boar, rest of April farrow. Miss Betty by the great Philanthropist will be sold with a litter at foot by Hugh Corwin. Rest spring gilts. All of the spring boars and gilts are by Hugh Corwin 53198, one of the best sons of Jensen's Mogul, the best boar ever owned in Northern Kansas. Hugh Corwin had for a dam one of the best sows of the breed. Among the dams of the offering are sows by Billy U. S., Kansas Black Chief, Expedition, etc. The offering will go into the ring in nice condition but not fat. We expect them to sell within the reach of every one and invite every one that likes good hogs.

Parties from away stop at Commercial hotel. Free lunch at noon. Write for catalog and if unable to attend bids may be sent to Jesse Johnson.

Hubert J. Griffiths, Clay Center, Ks

Jas. T. McCulloch, Auctioneer.

THOMAS OWEN

Topeka,

Sta. B,

Kansas.

Breeder of

WHITE PLYMOUTH ROCKS

Exclusively.

A few good cockerels for sale.

FOR SALE.

Pure bred White Wyandotte cockerels, \$1 each.

MRS. H. S. ADAMS,

Wichita, R. R. 8, Kansas.

SUNNY OREST.

Stock, fruit and poultry farm. Eggs to sell from M. B. Turkeys, R. I. Reds and Leghorns. Registered Jersey calves and Poland China hogs for sale. Write me. MRS. WM. BRITTE, Pierce City, Mo.

BUFF ORPINGTONS—Ckls., pens, baby chicks, eggs. More first prizes State Fairs and State Shows than all other breeders. My **POULTRY BOOK**, containing information worth hundreds of dollars to farmers sent for 10 cents. W. H. MAXWELL, R. 95, Topeka, Kan.

FOR SALE—100 CHOICE GOLDEN Wyandottes; also a few pure bred Bronze Turkeys from prize winning birds; prices reasonable. Mrs. E. B. Grant, Emporia, Kansas.

SMITH'S LAYING STRAIN OF ROCKS. Barred and White Plymouth Rocks of quality. Young and old stock at all times. CHAS. E. SMITH,

Mayetta, R. 2, Kansas.

ROSE AND SINGLE COMB RHODE ISLAND REDS.

Good breeding and exhibition cockerels now ready to send out. Don't wait until show time or spring and take just what you can get. We are crowded for room and are making low prices. Few S. C. pullets in pairs, trios and pens. No R. C. hens or pullets for sale.

Lawrence, H. A. SIBLEY, Kansas.

POULTRY



The recent cold snap admonishes the poultryman to see that his chicken houses are in order for the winter season. If there is a crack in the side, or a leak in the roof or a window light broken, see to it that they are all fixed before calamity strikes the flock.

Be sure to provide something to take the place of green food for the fowls during the winter months. Cabbage heads that are not fully formed are very good for this purpose, so also are turnips, beets, rutabagas and small potatoes. Put them away now so that they may be available when all green food is dead.

Hens are great foragers and on the ordinary farm get a great part of their living by picking up grain and other food that would go to waste. Lots of stuff that is unsalable can be fed to the poultry with advantage, such as small potatoes, windfall apples, immature heads of cabbage and such material that otherwise would be a total loss.

The busy hen is the one that lays the most eggs and to keep her busy she must have a scratching place and some material to scratch in. Millet hay is good for this purpose; so is oat straw with the oats still on. The hens will see that they are thrashed. Have a litter of straw six or seven inches deep and the hens will enjoy themselves and pay you in eggs for the outlay.

Poultry at Kansas City Show.

The poultry exhibit at Electric Park, Kansas City, Mo., Oct. 2 to 9, was a very creditable one, both in volume and in quality.

The hall in which the birds were shown was an ideal one for displaying poultry. There was plenty of room, plenty of light, and plenty of fresh air. Usually this place is used as a roller skating rink and the birds were displayed in a circle; a better place for the purpose would be hard to find in the United States. The park in which the show was held is a magnificent one, costing, it is said, over a million and a half dollars. At night it is lighted up with thousands of electric lights and it is almost as light as day. It is a very popular resort with the Kansas City people and they flocked to the fair by the tens of thousands. On Sunday Oct. 2 there were over 20 thousand people in attendance and on Thursday, when Dr. Cook, the discoverer of the North Pole, was there, the crowd was estimated at twenty-five thousand Rhode Island Reds were the most popular variety of fowls exhibited; next in number were White Wyandottes. The small quantity of Barred, White and Buff Rocks exhibited was very noticeable, these breeds generally taking the lead. Mr. T. L. Ricksecker, Rosedale, Kan., had some very fine specimens of Single Comb R. I. Reds and easily took first honors. Mr. F. A. Rehkopf, Topeka, took three blue ribbons on Rose Comb R. I. Reds.

J. C. Baughman, Topeka, had a very fine display of Buff Cochins. They were in the pink of condition and took all the honors in their class.

W. A. Jensen, Independence, Mo., had a fine display of Columbian Wyandottes, and S. S. Hamburgs and took all blue ribbons in these varieties. He also had a very fine display of White Wyandottes. Otis H. Crow of Hutchinson was present with about two specimens of different varieties and his coops were covered with blue and red ribbons. In Buff Orpingtons Mr. G. H. Binger, Topeka, took first cock and first hen. That was all he exhibited. His son, Edward, took first honors in Buff Cochins Bantams. Mr. P. C. Fish, Kansas City, Mo., took first and second on Buff Orpington pullets. He had some very early hatched pullets and they were fully developed and in full plumage; he had quite a display of pullets in addition to his prize winners. Mr. Fish runs his poultry yards on the Philo system and it is surprising the great number of fowls

he raises on a couple of town lots right in the business portion of Kansas City, 1804 Main St. They all looked healthy and thrifty and were kept in a clean and sanitary manner.

There were over one hundred varieties of fowls exhibited and the public seemed to be very much interested in the display.

The poultry show was held in connection with the Missouri Valley Fair Association and the display in Agricultural and Horticultural Hall was one never to be forgotten. Probably no better has been seen since the World's Fair at St. Louis and the latter beat it only in quantity; it seems as if it couldn't be beaten in quality.

Kansas State Agricultural College Egg Records.

Heavy laying capacity and large profit in hens, is a much discussed and debated question. The poultry department of the Agricultural College keeps close tab on the cost of feeding and the number of eggs produced by each hen.

There are two pens of pullets on the plant, which were selected with the idea of heavy egg production. One of these contains S. C. W. Leghorns, and the other W. P. Rocks. These two pens were selected from the young stock that was raised in 1908, and no one had the least knowledge as to the breeding of the parents, their originality or their eggs records, consequently, the records which have been obtained since the record keeping commenced Feb. 1, 1909, have been both interesting and wonderful.

Some months ago, a statement was given out concerning the egg production of a White Plymouth Rock pullet, No. 129. This individual had laid 48 eggs in succession without skipping a day. This same hen has produced 174 eggs between Feb. 1 and Oct. 1 and is still laying.

This No. 129 has a companion, No. 136, which has laid 181 eggs in the same length of time, and still keeps it up. This is at the rate of $\frac{3}{4}$ of an egg per day, or 270 per year. Both of these hens are molting and laying at the same time.

In this same pen, are 9 other hens and during the past eight months have put into the egg basket 1,499 eggs, or an average of over 136 eggs each.

The total cost of feed, with grain at the prevailing high prices, was \$8.81 or approximately 10 cents per month per fowl. The eggs when sold on the market brought in \$36.56, leaving a profit over the cost of feed of \$17.75, or \$1.61 per bird for the eight months.

In the pen of 19 White Leghorns, there is not found as high an individual record, 172 eggs being the highest, but the average is greater, 152 eggs per fowl. The total value of the eggs was \$34.45. The cost for feeding these eight months was \$14.75, or a little over 9 cents per fowl per month. The total profit over feed was \$35.69, or \$1.87 per hen.

At this rate it can easily be seen that in the next four months enough eggs will be produced to make the profit, above all expenses at least \$1 per bird. Poultrymen, on large farms, claim that if they can make the hens yield a profit of \$1 each, they will be satisfied.

In some other pens, not containing selected individuals, are White Leghorns which are in feeding experiments. The results that are being produced are extremely interesting, and it has been found that egg production is not all due to the feed, for in one pen of 25, where all are fed alike, one pullet produced 169 eggs and one 3 eggs in eight months. In another pen, there is the contrast of 139 and 1 egg. The individuality of the hens enter into this, or the difference would not be so great.

In time, it is hoped that a valuable amount of data can be obtained whereby the causes of this diversity of production may be determined.

If any one wishes to find out how these heavy egg producers were selected and fed, a letter to the poultry department will bring a prompt reply.

BIG KIND OF POLAND CHINAS BOAR AND SOW SALE AT HORSE SALE PAVILION SOUTH ST. JOSEPH, MO, Wednesday Afternoon, Oct. 27, '09

20 big type sows and gilts, some bred and some open, by Colossus Grand Look, Expansion Dee and other big type boars.

20 boars, fall and early spring farrow by Colossus, Grand Look, and Expander, among them Capitol, the grand champion boar at St. Joseph in 1909, and head of the first prize herd at Nebraska, Kansas and Missouri in 1909, and other young boars, big type of equal merit. This is an opportunity to get a herd boar or sows of the best big type that fills the pork barrel as well as takes the ribbons. Look up our show record for 1908 and 1909. Every one a good one in this sale. Send for catalog or come anyway if not on our mailing list, and stop at the Transit House or Junction Hotel, So. St. Joseph, at our expense.

H. C. DAWSON & SONS

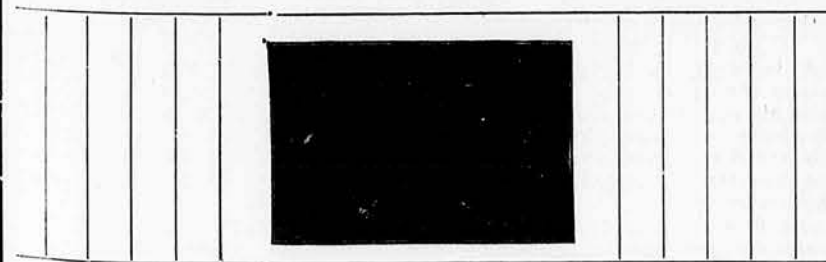
Endicott, Neb.

Col. R. H. Harriman, Auc.

THE BREEDING THAT HAS MADE POLAND CHINAS FAMOUS

Predominates In Our Sale to be Held at Farm
near Tampa and Marion, Kansas,

Friday, November 5, 1909



60 head in all, 25 boars and 35 females, 5 of which are tried sows. Sons and daughters of such noted sires as Meddler, Torpedo, Regulator, Star Pointer, Tornado, Crisis and Master Meddler. No better blood known to the breed, and individuals of great merit. Among the special attractions are Anetta 2d, Lall's Corrector 4th, and a pair of great spring boars by Regulator, one outstanding spring boar by Torpedo and out of a Corrector 2d dam. These are the tops of our big spring crop and have been fed and handled as breeding stock should, not fattened but fed on alfalfa, shorts and a light corn ration. We are in the business permanently and intend to stay by our customers. We honestly think we have what will make you money but won't fall out with you if you don't buy. The only thing you can do to hurt our feelings is to not attend the sale. We need and want your presence no difference whether you buy or not. Write for catalog.

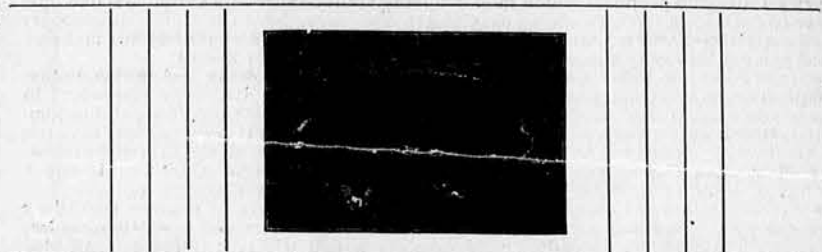
Our farm is six miles southeast of Tampa and twelve miles north of Marion. Stop at Tampa hotel. Free ride to farm.
Lafe Burger, Auctioneer. Jesse Johnson will be here for Kansas Farmer. Send bids to him.

THE MORTONS, - Tampa, Kansas

ENOS KIND POLAND CHINAS

AT AUCTION

Lost Springs, Kan., Thur., Oct. 28



Forty mighty good, big, smooth individuals. Boars and gilts, for the breeder and farmer. Tops from my spring crop. Sired by my great herd boars, Upper Crust, Mammoth Mike and the Commoner, and out of big, smooth, matured sows such as Lady Advance by Grand Chief, Neosho Queen by Blain's Wonder, Big Lady by Big Chief, and others of the real big sort. Several strictly herd headers among the fall and spring boars. Gilts would be attractions in any bred sow sale this winter. Write for catalog and mention Kansas Farmer.

W. C. Curphey, Auctioneer.

A. R. ENOS, - - Lost Springs, Kan.

C. S. NEVIUS' POLAND CHINA SALE

AT

CHILES, KAN., NOV. 8, '09

5 tried sows by Designer, Major Look and McDarst.

10 spring gilts by Designer, Major Look and Columbia Expansion.

BOARS.

2 yearling boars, one by Good Metal, one by McDarst, 5 fall boars by Designer, 18 spring boars by Designer, Major Look and Expansion.

Come or send bids to O. W. Devine, representing Kansas Farmer.

Auctioneer—R. L. Harriman.

Main line Mo. Pac. Ry.

C. S. NEVIUS, CHILES, KAN.

POLAND CHINA SALE

OF

J. W. PELPHREY & SON

CHANUTE, KANSAS.

WEDNESDAY, NOVEMBER 3

50

HEAD

Consisting of 35 Spring Gilts, 10 Spring Boars, and 5 Fall Yearling Sows

50

The five yearling sows, four spring gilts and two spring boars are by Grand Perfection, and Erie Expansion by Mammoth Ex and out of Orange Look. Both the medium and large type Poland Chinas are represented in this offering. They are the kind for farmers and breeders as well. Write for catalog today and arrange to come to my sale. We will treat you right. If you cannot attend the sale send bids to O. W. Devine representing Kansas Farmer.

Auctioneers: James Sparks, Herbert Johnson.

J. W. PELPHREY & SON,

**CHANUTE,
KANSAS.**

Galloway's Clincher Proposition for 1910

Manure Spreader Prices Based Now on 30,000-a-Year Capacity

William Galloway Comes Out NOW

with a price-reduction proposal which makes buying manure spreaders from him like buying an ear of corn from the farmer—so easy to get one, now, because of his enormously increased capacity—30,000 a year. Don't even think of buying a spreader of any make or kind until you get Galloway's new proposition—different than ever before.

Nobody in America, today, can make such a proposition. Nobody in America, today, is in the position to make manure spreaders that can touch the Galloway Spreaders in quality and splendid, practical, exclusive working-features, and it would take all the combined competition in the manure-spreader industry fully a year or two years, now, to catch up with Galloway. Nobody is in the position to make such prices on such spreaders now.

Please Remember This—If You Don't Read Any of the Rest of this Ad—Galloway is not a "supply house"—not a catalogue house—not jobbers—not merchants.

The William Galloway Company are the largest manufacturers of manure spreaders in the world—selling 5 times as many wagon-box manure spreaders and complete spreaders as all the other wagon-box spreaders sold combined, and will give you or any one else \$1,000 in Gold if any one can prove to the contrary.

Galloway makes so many manure spreaders by his tremendous purchase of materials—with the expensive automatic machinery of his factories that makes every one perfect (for he is a crank on quality) that he can afford to make you the lowest price for the best machines in the world.

Galloway Spreaders have four features, alone, which are worth from \$25 to \$50 extra for the work and service that you get in Galloway Spreaders—

1.—Is Detachable Force Feed. 2.—Is Roller Feed. 3.—Lightest Draft Spreader made. 4.—Adjustability to any kind of wagon gear—to be had on no other make of spreaders. Do not over look these 4 points. Besides, also, Galloway's 11 patents, which he proposes to protect against all infringers—for damages. A quarter of a million dollars backs this up, or more, if necessary, to protect them.

Galloway Says, "I'll Tell You Why"

To the Farmers of America:—I can now make you a proposition based on 30,000 Galloway Manure Spreaders a year, which you simply can't afford to miss. We can produce them at a price so low that you simply can't afford not to have one. When you write

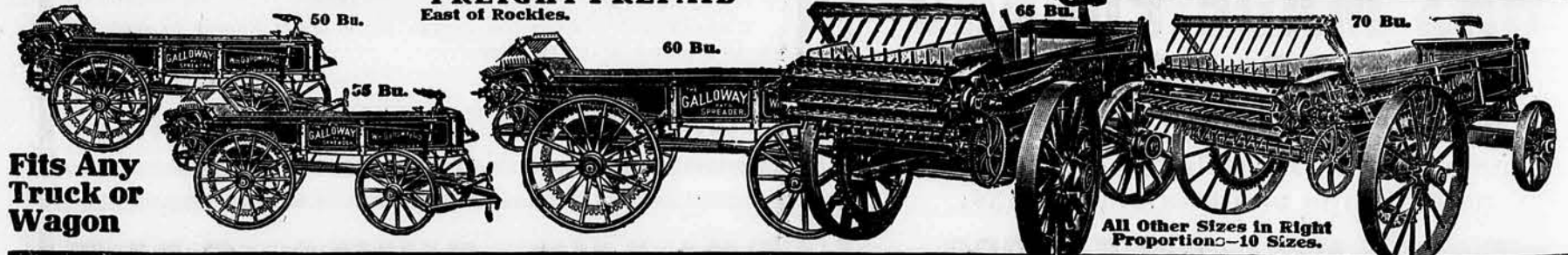
My New Roller Feed is Worth \$50 Extra and Costs You Nothing Extra on this Galloway

90 Days' Free Trial
—Instead of 30—If You Say So.

The Only Spreader with Malleable and Steel for All Parts that Break and Wear Out in Other Spreaders

Only \$54.50

If you use Coupon in this ad—Regular price, \$59.50 And Upward—Direct—90 Days' Free Trial—\$25,000 Guarantee—5 Sizes, 50 to 70 bu.—Remember, this Price is All complete and—**FREIGHT PREPAID East of Rockies.**



Fits Any Truck or Wagon

Don't Get Fooled or Misled by Other People's Price—They Haven't Got the Force Feed and Can't Get It—They Charge You Extras and Freight—Watch Them.

Here You \$42³⁰ Are for Only

If you send the \$5.00 Free Cash Coupon in corner of this ad and want to buy and pay freight from Waterloo, Ia. This gets you my Galloway without Mud Lugs or Force Feed—(But you absolutely need them on any spreader.)

But if you want to buy my whole outfit complete, which sells regularly for \$52.50, including freight prepaid east of the Rockies (average estimate of \$5.00 for freight, Force Feed, \$5.00; Mud Lugs, \$1.00), then send me the \$5.00 Cash Coupon in the corner of this ad and \$44.50, and I will send you the complete Galloway Spreader outfit, freight paid. Or, I will send you the spreader, less Force Feed and Mud Lugs and you pay freight—from Waterloo for \$42.30 and the \$5.00 Cash Coupon. My Force Feed is the greatest invention in manure-spreader history—the Only Endless Apron Force Feed in the world, easily worth \$25.00 alone in labor saved. Nobody else has it or can get it for you. Nobody can beat these prices—Made to show you that we can knock the Dollar-Spots off Competition from everybody and all of them Combined, FOR YOU, and you get all the savings.

All Other Sizes in Right Proportions—10 Sizes.

me I will tell you about this fully—send you my big spreader book (illustrated in colors) and give you a chance to make good money besides—(Use the \$5.00 Coupon Here, Sure.)

Get \$5.00 Cash Off the Price at Once, Freight Prepaid east of the Rockies, to You Anywhere Direct from Factory on 90 Days' Free Trial.

Money back at 6% interest after 360 days, if my Spreader does not prove a paying proposition to you. Quick, Prompt Delivery Now.

That is my selling plan. Nobody can beat it. Nobody can touch it. It has them all on the run. Galloway is a whole race-track ahead of all competition. Remember, I pay freight.

When I added to my own factories the Kemp Manure Spreader Factory, conceded to be the largest in the world, formerly owned by the International Harvester Company, now owned and equipped by me with the very latest automatic machinery throughout, I did this:

I called in my factory superintendent and I said to him—"How many Galloway Manure Spreaders can we make a day now?" He said: "We can make 100 a day—30,000 a year." I said, "all right—get out your pencil." "The first thing you do, figure how much we can save farmers on price, based on 30,000 capacity."

He figured it out mighty quick. He says to me: "If you can sell them, we can make them." "We can save \$5.00 a piece in cash to the farmers if you can sell 30,000." I said: "That is the idea." That's the stuff. We will do it. They will buy them. They know me and they know my spreader.

I will come out now, right away, and give my farmer friends a chance to get in on this \$5.00 cash-reduction proposition. I can sell them. The farmers have known me for over 5 years. The Galloway Spreaders are known from one end of this country to the other, and I will come right out, right away, and—

I'll Save the Farmers \$150,000 this Year in Cash Money

I will baffle all competition. Nobody in the whole spreader industry can hope to compete with us on this proposition. They haven't got the factory. They can't get it and the machinery for a year or two, at least, and they can't make a machine equally as good as mine in this country. I can afford to do it on just one small profit. All the farmer pays me is for the raw materials at actual cost and labor shown exactly at what it costs us in Tuesday's pay-roll to my men and only one small profit, based on this stupendous quantity—30,000 a year. Galloway invites competition and defies all competitors combined to be able to make such a proposition as this to the farmers of America this year. They can't do it.

William Galloway, President.

HORTICULTURE



What Shall We Do with the Neglected Home Orchard?

Nearly every farmer in Indiana has been or is now interested to some degree in fruit growing. Many have been interested enough to set out a home orchard and then on account of the demands of the other farm work, have neglected the orchard and have allowed it to degenerate until it presents an appearance which the fruit tree lover is pained to see. Many an orchard, set by the passing generation, during its earlier years a source of pleasure and profit, is now apparently in the "downhill of life" and to all appearances good for little. A large proportion of these orchards might, by proper methods, be so rejuvenated and have their youth so renewed that they would again bear

good crops of sound fruit. Where this can be done, it is surely much better than to set a young orchard and wait several years for it to begin to bear.

At the present time a revival of interest is taking place in the question of home fruit growing, and many who own neglected orchards are seeking information as to the right thing to be done to restore them to usefulness and how to set about doing it.

SOME REASONS FOR NON-FRUIT BEARING.

"How shall I bring my run down, neglected orchard back to a state of profitable production?" is a question which if it were dealt with fully would probably need as many answers as there are neglected orchards in the state. All that the writer can do here is to establish a sort of an average of conditions, and to urge a few consider-

ations that will apply to the greater number of cases. It must be borne in mind, however, that such recommendations are of necessity more or less general, and where further and detailed advice is needed, the orchard owner is urged to correspond directly with the department of horticulture of the experiment station.

The very first thing to determine is the reason for the existing unprofitable condition. The reason is neglect, of course, but neglect may lead to a great variety of troubles, and we must try to find out just what the troubles in an individual case happen to be before we can remedy them.

It may be that the land is low and poorly drained and that the trees suffer from spring frosts and "wet feet." If so, that piece of ground was never meant for an apple orchard and the best thing to do is to cut the trees at once and get some good firewood at least, and then set out some young trees in a more favorable location.

The trees may have ceased to bear fruit because the land, possibly never any too good, has been called upon to support the trees. It has been shown by pretty conclusive experiments that apple trees set at the rate of 35 to the acre (which would equal being set 35 feet apart each way)

yielding 15 bushels of apples per tree, draw from the soil in 20 crops more than "twice as much nitrogen, half as much again of phosphoric and nearly three times as much potash" as 20 crops of wheat would remove counting grain and straw with an annual average yield of 15 bushels per acre. Where the trees are compelled to compete with other crops for a supply of food and water, it is no wonder that they sometimes succumb, considering the heavy demand they themselves must make in order to make good yields.

Not infrequently the neglected orchard is unprofitable because the trees are so crowded together that there is a struggle for bare existence between one tree and its neighbor. The results of this crowded condition may be seen in the long leggy tops, climbing skyward like forest trees, in the struggle for light and air. The writer is of the opinion from observations during the last three years, that in fully one-half the orchards in Indiana, the trees are too close together. Such an orchard, with the tops out of reach, and the ends of the branches interlocking, is impossible to care for properly and can never be made to yield satisfactorily while in such a condition.

Write Me Today

—Get My Big Free Book
—Get This \$5.00 Cash Money Saving
On My Price Direct-to-You

—The Lowest Ever Made On a First-Class
Manure Spreader—Imitators Prosecuted For
Damages To the Fullest Extent Of the Law

GET out your pencil now and write me on a postal or by letter. But, be sure to use my \$5.00 free coupon here, because I am going to stack up the coupons and replies that I get to this remarkable offer and start in to make 30,000 Galloway Spreaders this year right from the jump. I know that the farmers will stand by me and buy that many. I am making you \$5.00 the same as cash right now from the start and giving you a chance to make some more money on my proposition that I will write you all about personally.

Here's The Test How To Try Any Manure Spreader

Remember, I Guarantee The Galloway and Defy All Competitors—They Know It Too, But Will Say Anything To You

I CHALLENGE the world to produce the equal of the Galloway Spreader and leave it entirely to my customers to be the judges. Compare the Galloway, point for point, with any spreader made. Try it, side by side, in any kind of stuff with them all. Weigh the spreader; then the load on a Galloway; weigh spreader, then weigh load on a dozen other makes. Put on your driving team and test draft. Then be your own judge. You can TRY it, free, for 90 days. You will find it is the simplest, has less parts and is the strongest spreader on the market. It can't wear out. There is nothing to wear.

Fill it up, 18 inches above the box, with any kind of manure from the finest dust to the wettest muck, from the toughest straw-stack bottom to the heaviest unrotted, coarse, matted, slough-hay, tramped, calf-yard manure, and the Galloway will handle it better

than any other spreader made regardless of price. It will handle stuff that most makes will not handle at all. Take it out into the field loaded and put it to a hard test. Start the team up on the gallop, slam it in gear; you can't break it.

We wouldn't tell you this if we didn't know what we were talking about. We have tested it by tying the beater solid with baling wire, filled it with cement blocks, threw it in gear with the horses on the trot and could not break it.

This may sound foolish, but it is the only way to find weak spots. We found them long ago. Try this test on any cog-and-gear machine and see what will happen.

No new experiment machine will work under these conditions. Mark what I tell you.

Remember—No Obligation Now If You Write Me

Just get my big, free, color-illustrated Galloway Manure Spreader book and this offer by writing me and then decide on your own good judgment how quickly you will let me send you promptly, safe delivery guaranteed, freight prepaid east of the Rockies, just the Galloway Spreader that will suit your needs—from 50 to 70-bushel capacity, made in 5 sizes and styles, including complete steel-truck spreader, or the Galloway Wagon-Box style. Remember—90 Days' Free Trial Now instead of 30 Days—if you say so.

The risk is all mine. I protect you every way. You can't lose. And the Galloway Spreader on your place will make you hundreds of dollars of extra profits on your farm every year. Prove that at my risk, and always remember, Galloway is an Actual Manufacturer, Not a Supply House, Catalog House, Jobber or merchant, with this spreader today, something else tomorrow. Write me today, personally.

William Galloway, President, The William Galloway Company
389 Galloway Station, Waterloo, Iowa

Quick, prompt, safe delivery to you now from Waterloo factory or transfer points at Kansas City; Omaha; Minneapolis; Madison, Wis.; Pittsburg; Columbus, Ohio; Springfield, Mass.; Nashville, Tenn.; Dallas, Texas; Portland, Ore.; San Francisco, Cal., and all leading trade centers. Address me, personally, at Waterloo, Iowa.

Beside the conditions spoken of above, there is another whole class of troubles brought about by the omission of those operations of what may be termed orchard hygiene, which are performed by the commercial grower as a matter of course. The trees may be half choked in a thick tough old sod; this sod is liable to harbor mice and rabbits and the trees may be suffering from their attacks as well as from borers, which thrive and multiply under the conditions furnished by heavy sod close up to the tree trunks. Spraying has very likely not been known to the orchard, and what fruit there is, is scabby, deformed and wormy. The San Jose scale, which is one of the worst enemies of Indiana orchards, and which is blotting out the neglected ones every year, may be present doing its deadly work. Pruning has probably been overlooked, or if it has been done at all, it has been done with an axe in a sort of kill or cure way, which left the trees in worse condition than before.

REMEDIAL MEASURES.

Much is being accomplished nowadays with these old neglected orchards by renovation. By renovation is meant plowing, pruning, fertilizing, spraying, digging out the borers, and

plowing and harrowing the orchard thoroughly.

Where the orchards are planted too close and the tree tops are so high that they are out of reach of the spray nozzle, a rather severe heading in will be of great benefit. This pruning is one of the first things to be considered in the renovating process. It can if necessity compels, be done at almost any time of the year. It is better to do it in the late winter or early spring. The long, leggy branches should be shortened in, all the dead wood should be cut out and all the branches that cross and touch each other or interfere seriously in any way, should be removed without hesitation.

It may be that the succeeding season, there will be quite a crop of water sprouts. These may be taken out any time, but it is easiest and cheapest to take them out while they are still small and before they begin to crowd the trees. If the feeding is properly balanced, however, there will not be much annoyance from this source.

After the brush is cleared away (and it is surprising to see how large a quantity of prunings a few neglected trees will yield), the orchard should

be plowed and harrowed and the surface made fine. Any one who has broken a twenty-year old blue grass sod in an orchard will appreciate why the trees suffer from it. A few surface roots may be cut by this plowing. Never mind that but go ahead. Get the ground fine and keep it cultivated till mid-summer, then sow a cover crop which will protect the ground till it is turned under the following spring.

Along with the cultivation should go a liberal amount of fertilizer. In the use of fertilizer in orchards, you must avoid too much nitrogen. For this reason heavy mulching with barnyard manure is to be recommended only for such orchards as indicate by their small annual growth, and by their scanty and light colored foliage that nitrogen is lacking. For soils of fair natural fertility and where a nitrogen gathering cover crop, such as clover, crimson clover, cow peas or vetch may be grown, the following formula is suggested:

A thousand to 1,500 pounds per acre of a mixture containing one part (100 pounds) each of ground bone, acid phosphate, and muriate of potash. On soils that are somewhat exhausted, 125 pounds nitrate of soda may be

used in addition.

In order to get the greatest returns from this fertilizer, it should be thoroughly worked into the soil. This can be accomplished very well, by applying it to the surface just before plowing. The plowing and working of the ground will get the fertilizer pretty thoroughly incorporated and the trees will soon show the beneficial effect of its presence.

After the neglected orchard has been thus treated, an intelligent application of the spray pump will generally complete its cure.—From Purdue University Circular No. 17.

Coffee Cake.

A quick coffee cake for breakfast is made after this recipe: Sift together, twice, one cupful of flour, one-half cupful of sugar, one teaspoonful of baking powder, one-half teaspoonful of salt, and one-half teaspoonful of ground cinnamon. Mix this into a soft dough, with four tablespoonfuls of melted butter, a well beaten egg and one-half cupful of sweet milk. Spread in a shallow pan and sprinkle thickly with sugar and cinnamon. Bake in a quick oven and serve hot for breakfast.

FREE Coupon \$5 Proposal, Worth \$5

Note—Send me your name—that costs you nothing—no obligation to buy a spreader from me. Just get my 30,000 capacity proposition—with \$5.00 cash off the price and read my big, free, color illustrated Galloway Manure Spreader Catalog and personal letter from me to you before you think of buying any kind of a spreader.

William Galloway, President
THE WILLIAM GALLOWAY COMPANY
389 Galloway Station, Waterloo, Iowa

Here's my name. Write me personally—send your big, free, Galloway Manure Spreader Catalog and latest \$5.00 cash reduction on price, direct to my Farm on your 30,000 capacity proposition on 90 Days' Free Trial. No obligation on my part. I read the KANSAS FARMER.

Name.....

Address.....

Town.....State.....

Note—If you send me this coupon, I will make you a proposition at a price so low that you simply cannot afford to be without one of my Galloway Manure Spreaders, and I will also give you a chance to make good money besides on my special offer.—WILLIAM GALLOWAY.



Tear This Coupon
Out Now

"Send Me
Your Name
—I'll Treat
You
Square"

Wm Galloway
President

William Galloway
Company
The Farmers' Manufacturer

An Ideal Farm For Sale

Many well versed in farming say this is the best farm in Kansas. Any way it will produce with any of them, and is well and beautifully located.

Then here is the one for which you are looking. It adjoins a live town about 40 miles west of St. Joseph. It comprises 300 acres and is exceptionally well improved, well watered and has lots of fine walnut timber.

Do You Want a Great Farm?

One agricultural expert says it is the best conditioned farm he ever saw. It has always been a money maker. Much land in this vicinity, and not so well located, has changed hands for more money than is asked for this.

If you are interested, address

☐ R 227, care Kansas Farmer, Topeka, Kan.

CLOSING OUT

Hereford Cattle Sale

At Blue Rapids, Kan.

Wednesday, Oct. 27, '09

My entire herd, consisting of 22 cows with calves at foot, 14 cows in calf, 8 yearling heifers, 14 bulls in age from 12 to 22 months and my herd bull, CHRISTY 234417 by Keep On 2d, dam by Lord Saxon, second dam by Wild Tom. The young bulls are by Christy and Beau March On, and the cows carry the blood of the most noted sires and dams of the breed. There is not a poor animal or unpopular pedigree in the offering. The herd is one of the oldest in the state and it has always been the policy of its owners to discard everything but the best.

Breeders invited whether they are buyers are not.

Auctioneers: Edmonson, McCulloch, Trospen.

For catalog address me at Blue Rapids or C. R. Thomas, Kansas City, Mo.

MISS LOU GOODWIN,

Blue Rapids, Kansas



CLOSING OUT HEREFORD SALE

At Holton, Kan., Saturday, Nov. 6.

35 head, 8 excellent bulls including the herd bull, Gay Donald 262472, 27 females, 18 of which are safe in calf to Gay Donald, a great son of Beau Donald 7th. The offering is by such bulls as Spectator, son of Earl of Shadland, Madison by Columbus, most of them rich in the blood of the greatest sires. Foundation stock coming from the greatest herds, the blood of Anx-mentioning this paper. Stop at city hotel.

Emil Hoffmeyer,

Geo. Bellows, Auctioneer.

Holton, Kan.

PUBLIC SALE!

I will offer at public sale at my farm 5 miles south of Muscotah and 1½ miles north of Arrington. Sale to begin at 1 o'clock p. m.

WEDNESDAY OCT. 27.

48 Head Shorthorn Cattle One Two Year Old Mare

15 cows, 15 calves, 5 two-year-old heifers, 6 yearling heifers, 5 two-year-old steers, 1 herd bull.

Lunch on the grounds. Time will be given if parties give bankable note but no property to be removed until settled for.

J. L. MILLER, MUSCOTAH, KAN.

The American Royal Show. (Continued from page 3.)

Herefords.
Aged bulls: First, W. S. Van Natta & Son, Fowler, Ind., on Prime Lad 8th; second, Gudgell & Simpson, Independence, Mo., on Bonnie Brae 5th; third, O. Harris, Harris, Mo., on Dislodger. Two-year-old bulls: First, Makin Bros., on Principal 16th; second, J. O. Bryant on Curtis; third, W. S. Van Natta & Son on Prime Lad 8th. Senior yearling bulls: First, O. Harris, on Repeater; second, Giltner Bros. on Beau Columbus; third, Makin Bros. on Paragon 12th. Junior yearling bulls: First, Cargill & Price on Bonnie Brae 15th; second, O. Harris on Harris Prince 13th; third, Estate of James A. Funkhouser on Onward Prince. Senior bull calves: First, Warren T. McCray on Gay Lad 6th; second, Harris on Harris Prince 13th; third, Makin Bros. on Paragon 21st. Junior bull calves: First, Clem Graves on Beau Real 17th; second, W. T. McCray on Fairfax 16th; third, C. A. Stannard, Emporia, Kan., on Beau Mystic 39th. Aged cows: First, W. S. Van Natta & Son on Margaret; second, Cargill & Price on Miss Filler 2d; third, third, W. T. McCray on Prettyface. Two-year-old cows: First, Warren T. McCray on Lady Fairfax 4th; second, Cargill & Price on Princess 2d; third, W. S. Van Natta & Son on Iva. Senior yearling heifers: First, Giltner Bros. on Florence Acrobatt; second, Clem Graves on Donald; third, O. Harris on Harris Princess 64th. Junior yearling heifers: First, Makin Bros. on Lady Grace 3d; second, O. Harris on Harris Princess 80th; third, Cargill & Price on Miss Brae 13th. Senior heifer calves: First, James E. Logan on Scottish Lassie; second, W. S. Van Natta & Son on Rosette; third, Makin Bros. on Goodness 2d. Junior heifer calves: First, J. G. Robison & Son on Beauty; second, J. H. & J. L. Van Natta on Onward's Elsie 3d; third, W. S. Van Natta & Son on Perfect Lass. Best cow or heifer, any age: O. Harris on Repeater. Best cow or heifer, any age: W. S. Van Natta & Son on Margaret. Aged herd: First, W. S. Van Natta & Son; second, Cargill & Price; third, W. T. McCray. Get or sire: First, W. S. Van Natta & Son on get of Prime Lad; second, Warren T. McCray on get of Perfection Fairfax; third, Makin Bros. on get of Beau Paragon. Calf herds: First, Cargill & Price; second, Makin Bros.; third, W. S. Van Natta & Son. Produce of cow: First, W. T. McCray on produce of Miss Armour Donald; second to Makin Bros. on produce of Christine; third to W. S. Van Natta & Son on produce of Leonora. Senior sweepstakes bull: Makin on Principal 16th. Junior sweepstakes bull: O. Harris on Repeater. Senior sweepstakes cow: Giltner Bros. on Florence Acrobatt. Champion bull: O. Harris on Repeater. Champion cow: W. S. Van Natta on Margaret. Young herds: First, Makin Bros.; second, Giltner Bros.; third, Cargill & Price.

Shorthorns.
Aged bulls: First, F. W. Harding on sidlight; second, Carpenter & Ross, Mansfield, O., on Avondale; third, Thomas Johnson, Columbus, O., on Royal Chief. Two-year-old bulls: First, C. S. Nevius on Searchlight; second, T. K. Tomson & Sons on Gallant Knight's Heir; third, S. D. Mitchell on Col. Carvel. Senior yearling bulls: First, C. E. Leonard & Son on College Count; second, F. W. Harding on Red Marshal; third, W. F. Brown on King Cotton. Junior yearling bulls: First, C. E. Clarke on Ringmaster; second, F. W. Harding on Sultan Mine; third, George & Stanton, Aurora, Ill., on The Gallant. Senior bull calves: First, Thomas Johnson on Roan Sultan; second, F. W. Harding on Golden Laird; third, Thomas Johnson on Missile Sultan. Junior bull calves: First, F. W. Harding on Sultan Leader; second, G. H. White on Hampton King; third, Thomas Johnson on Augustat's Scott. Aged cows: First, C. E. Clarke on Dorothea 2d; second, Thomas Johnson on Duchess of Lancaster 13th; third, W. W. Brown on Choice Jean. Two-year-old cows: First, T. K. Tomson on Christmas Lassie; second to Carpenter & Ross on Lancaster Bud; third, E. M. Hall on Choice Princess. Senior yearling heifers: First, Carpenter & Ross on Dale's Gift; second, Thomas Johnson on Queen of Dreamland; third, F. W. Harding on Anoka Aconite. Junior yearling heifers: First, D. R. Hanna on Susan Cumberland; second, D. Tietjen on Miss Marshall 2d; third, C. E. Clark on Nonpareil. Senior heifer calves: First, C. E. Clarke on Gloster Queen 2d; second, E. M. Hall on Hallwood Rose 3d; third, Thomas Johnson on Flower Girl 3d. Junior heifer calves: First, Thomas Johnson on Oakland Netty 2d; second, F. W. Harding on Sultan's Countess; third, Carpenter & Ross on Maxwellton Jealousy. Senior champion bull: To F. W. Harding on Sidlight. Reserve senior champion bull: C. S. Nevius on Searchlight. Junior champion bull: To C. E. Clarke on Ringmaster. Reserve junior champion bull: To Thomas Johnson on Roan Sultan. Grand champion bull: To F. W. Harding on Sidlight. Senior champion cow: To C. E. Clarke on Dorothea 2d. Reserve senior champion cow: To T. K. Tomson on Christmas Lassie. Grand champion cow: To C. E. Clarke on Dorothea 2d. Junior champion heifer: D. R. Hanna on Susan Cumberland. Reserve junior champion heifer: To Carpenter & Ross on Dale's Gift. Aged herd: First, Carpenter & Ross; second, Thomas Johnson; third, C. E. Clark. Young herds: First, F. W. Harding; second, C. E. Clarke; third, Carpenter & Ross. Calf herds: First, Thomas Johnson; second, F. W. Harding; third, George & Stanton. Get of sire: First, C. E. Clarke on get of March Knight; second to Thomas Johnson; third, F. W. Harding on get of Whitehall Sultan. Produce of cow: First, C. E. Clarke on produce of Dorothea; second, Carpenter & Ross on produce of Wedding Gift 16th; third, W. W. Brown on produce of Mamie.

Galloways.
Aged bulls: First, Straub Bros., Avoca, Neb., on Captain 4th of Tarbreoch; second, C. S. Hechtner, Chariton, Iowa, on Standard Favorite; third, to S. M. Croft & Sons, Bluff City, Kan., on Signet of Castlemilk. Two-year-old bulls: First, J. E. Bales & Son, Stockport, Ia., on Douglas of Meadow Lawn; second, Straub Bros. on Noble Standard; third, S. M. Croft & Sons on Rosy's Duke 2d. Yearling bulls: First, C. S. Hechtner on Stanley of Maples; second, J. E. Bales & Son on Stanley's Mack; third, Straub Bros. on Utility 2d of Otee. Bull calves: First, Straub Bros. on Handsome; second, Straub Bros. on Fair Fame; third, J. E. Bales & Son on Douglas of Stockport. Aged cows: First to Straub Bros. on Sadie of Meadow Lawn; second, J. E. Bales & Son on Hawkeye Lady; third, C. S. Hechtner on Lady Love 2d. Two-year-old cows: First, C. S. Hechtner on Viola 4th of Maples; second, Straub Bros. on Princess Standard; third, J. E. Bales & Son on Lily May. Senior yearling heifers: First, J. E. Bales & Son on Annie Davids 7th; second, Straub Bros. on Mary Maid; third, C. S. Hechtner on Ida of Maples. Junior yearling heifers: First, C. S. Hechtner on Beattie of Maples;

second, Straub Bros. on Sweet Belle; third, S. M. Croft & Sons on Ola C. Senior heifer calves: First, C. E. Clarke on Elizabeth 3d; second, J. E. Bales & Son on Tul of Maples 2d. Junior champion bull: C. S. Hechtner on Stanley of Maples. Senior champion bull: Straub Bros. on Captain 4th of Tarbreoch. Grand champion bull: Straub Bros. on Captain 4th of Tarbreoch. Senior champion cow: Straub Bros. on Sadie of Meadow Lawn. Breeders' young herd: First, C. S. Hechtner; second, J. E. Bales & Son; third, Straub Bros. Aged herd: First, Straub Bros.; second, C. S. Hechtner; third, J. E. Bales & Son. Junior champion cow: C. S. Hechtner on Beattie of Maples. Get of sire: First, C. S. Hechtner on get of Standard Favorite; second, Straub Bros. on get of Scottish Standard of Durhamhill; third, J. E. Bales & Son on get of Douglas of Meadow Lawn. Produce of cow: First, C. S. Hechtner; second, J. E. Bales & Son; third, Straub Bros.

Angus.
Aged bulls: First, W. A. McHenry on Glenfold Thickset 2d; second, W. J. Miller on Glamour of Quietdale; third, James Innes & Son on Lord Roberts 2d. Two-year-old bulls: First, A. C. Binnie, Alta, Ia., on Peter Sterling; second, W. J. Miller on Erica Chief; third, W. J. Miller on Ogarta Prince. Junior yearling bulls: First, Omer Catterson, Maryville, Mo.; second, W. J. Miller on Snowflake's King; third, George Kitchen, Jr., Gower, Mo., on Mayor of Oakland. Senior bull calves: First, Omer Catterson on Queen's Quality Lad; second, McLachen Bros. & Johnson, Estill, Mo., on Lord Roberts 5th; third, Charles E. Sutton on Wakarusa Heatherson. Junior bull calves: First, McLachlan Bros. & Johnson on Ilen Avon Queen's Lad; second, Omer Catterson on Queen's Clansman 3d; third, W. A. McHenry on Clinch. Aged cows: First, W. A. McHenry on Prince McHenry 53d; second to A. C. Binnie on Abess McHenry 6th; third to W. J. Miller on Gussie of Kirkbridge. Two-year-old cows: First, W. A. McHenry on Barbara McHenry 24th; second, W. J. Miller on Snowflake's Queen 2d; third, C. E. Sutton on Rutger Mina 5th. Senior yearling heifers:

The Sutton Farms Aberdeen-Angus Sale.
On Wednesday, Oct. 27, the Sutton Farms will offer the best selection made from one of the best Aberdeen-Angus herds in the country, at Lawrence, Kan. For very many years the Sutton Daddies have been known all over the corn belt, and when they appear in the show ring either as fat cattle or as contestants for honors in the breeding classes, they carry away their share of the honors. The herd is now headed by Champion Ito 49179, by Imp. Prince Ito 5006 and out of Imp. Queen Mother 7th of Drumfergus 62252. In spite of the reputation of his imported sire, Champion Ito is considered the best bull of the breed in the United States today. The second bull is Expand 20634 by Blackbird Hero 1494, out of Rosa Bonheur of Emmerson 3d 24324. Among the cattle to be offered is the champion cow Rutger's Dame 7th 118105, and the prize winning cow Rutger's Queen 12th 118106, and the others are of the same blood lines. A number of the females of which there are forty in the sale, will have calves at foot or be bred to Champion Ito, while others will be bred or have calves at foot by Rutger Heatherson 2d 85166, who is a son of Expand. Mr. Sutton will also include three choice young bulls. Those of our readers who were in attendance at the Kansas, Oklahoma and Missouri State Fairs, and at the American Royal, will know just the quality of animals in this sale, because the same kind was shown by Mr. Sutton in his show herd. Mr. Sutton won the grand championship prize on car-lot cattle at the American Royal last week on animals of the same breeding. His catalogues are now ready. Remember that the sale is to be held at Lawrence, and the farm is reached by the new street car line.

IF YOU'VE NEVER WORN

TOWER'S SICKER

you've yet to learn the bodily comfort it gives in the wettest weather

MADE FOR—
HARD SERVICE
AND
GUARANTEED
WATERPROOF

\$3.00

AT ALL GOOD STORES
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STRAYED OR STOLEN FROM INGALLS, Kansas, Sunday night, Oct. 3, one pair dark brown mare mules, weight about 900 or 1,000 lbs. Larger mule had gray hairs in head, smaller one dim B on left shoulder. Reward for return or information to Sam S. McAdams, Ingalls, Kansas.

First, W. A. McHenry on Blackbird McHenry 76th; second, W. A. McHenry on Pride McHenry 72d; third, A. C. Binnie on Even Lass. Junior yearling heifers: First, W. A. McHenry on Pride McHenry 73d; second, A. C. Binnie on Pride of Alta 10th; third, W. J. Miller on Metz Beauty 7th. Senior heifer calves: First, George Kitchen, Jr., Gower, Mo., on Barbara Woodson; second to Omer Catterson on Miss Quality; third, A. C. Binnie on Even Lass 2d. Junior heifer calves: First, A. C. Binnie on Pride of Alta 12th; second, W. A. McHenry on Pride McHenry 78th; third, A. C. Binnie on Ellean of Alta. Senior champion bull: W. A. McHenry on Glenfold 2d. Reserve senior champion bull: A. C. Binnie on Peter Sterling. Junior champion bull: W. A. McHenry on Quality Prince. Reserve junior champion bull—To Omer Catterson on Queen's Clansman 2d. Grand champion bull: W. A. McHenry on Glenfold Thicket 2d. Reserve grand champion bull: W. A. McHenry on Quality Prince. Senior champion cow: W. A. McHenry on Barbara McHenry 24th. Senior champion cow: W. A. McHenry on Barbara McHenry 24th. Reserve senior champion cow: W. A. McHenry on Pride McHenry 83d. Junior champion cow: W. A. McHenry on Pride McHenry 73d. Grand champion cow: W. A. McHenry on Pride McHenry 73d.

Percherons.

Aged stallions—First, McLaughlin Bros., Kansas City, Mo., on Furibonde; second, J. C. Robison on Leon; third, Holland Stock Farm on Luron. Three-year-olds: First, McLaughlin Bros. on Galop; second, Robison on Glacie; third, McLaughlin Bros. on Gablon. Two-year-olds: First, McLaughlin Bros. on Halgonet; second, Robison on Hardi; third, McLaughlin Bros. on Hiren. Champion stallion: McLaughlin Bros. on Furibonde. Champion stallion, open class: First, J. C. Robison on Glacie; second, J. C. Robison on Hardi. Group of 5 stallions, any age: First, McLaughlin Bros.; second, J. C. Robison; third, Holland Stock Farm. Best American bred stallion, any age: First, J. C. Robison on Leon; second, George Groenmiller & Son, Pomona, Kan., on Milo. Aged mares: First, J. C. Robison on Delia; second, Holland Stock Farm on Marcellene. Three-year-old mares: First, Holland Stock Farm on Geometrie; second, J. C. Robison on Dolores. Two-year-old mares: First, J. C. Robison on Empress; second, J. C. Robison on Matilda. Champion mare, open class: J. C. Robison on Delia. Best group of mares, any age: J. C. Robison on Delia, Empress and Dolores. Best 10 mares, any age: J. C. Robison. Best stud, stallion and 4 mares, any age, owned by exhibitor: First, J. C. Robison on Casino, Delia, Empress, Dolores and Delma; second, Holland Stock Farm on Leon, Marcellene, Gamine, Geometrie and Grappe. Aged stallion, Percheron Registry Co. special: First, McLaughlin Bros. on Dragon; second, McLaughlin Bros. on Ventour. Three-year-old stallion, Percheron Registry Co. special: First, McLaughlin Bros. on Galop; second, McLaughlin Bros. on Gablon. Two-year-old stallions, Percheron Registry Co. special: First, McLaughlin Bros. on Halgout; second, McLaughlin Bros. on Hiren. Best group, 5 stallions, Percheron Registry Co. special: McLaughlin Bros. on Dragon, Galop, Halgout, Hocke and Hiren. Champion stallion, Percheron Registry Co. special: McLaughlin Bros. on Dragon. Reserve: J. C. Robison on Ventour.

Percheron Society of America Specials. Best group of 5 stallions, any age: First, J. C. Robison on Leon, Depetore, Monarque, Glacie and Noir-Casino; second to Holland Stock Farm on Luron, Gobeur, Guignon, Hem and Gabare. Best group of 3 mares, any age: First, J. C. Robison on Delia, Empress and Dolores; second, Holland Stock Farm on Grappe, Gamine and Geometrie. Best 5 stallions, American bred: First, J. C. Robison on Depetore, Monarque, Leon, Noir-Casino and Desoto. Best 3 mares, American bred: First, J. C. Robison on Delia, Empress and Dolores. Champion stallion: J. C. Robison. Best stud, bred and owned by exhibitor: First, J. C. Robison on Noir-Casino, Dolores, Matilda, Roberta and Castore. Get of sire: First, Robison on Delia, Meda, Delma and Empress, get of Casino; second, Robison on Noir-Casino, Matilda, Castore and Roberta, get of Casino. Produce of mare: First, Robison on Delia and Delma; second, Robison on Castore and Roberta. Best stallion, any age, bred and owned by exhibitor: J. C. Robison on Noir-Casino. Best mare, any age, owned by exhibitor: J. C. Robison on Matilda. Reserve: Robison on Dolores. Percheron Registry Co. special: Best 5 stallions: First, Robison on Leon, Depetore, Monarque, Hardi and Glacie; second, Holland Stock Farm on Luron, Gobeur, Guignon, Gabare and Hem.

The Belgians.

Aged stallions: First, Finch Bros., Joliet, Ill., on Franc. Three-year-old stallions: First, Finch Bros. on Joliet. Two-year-old stallions: First, Finch Bros. on Coco; second, Finch Bros. on Chief. Champion stallion: Finch Bros. on Franc.

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Aged stallions: First, McLaughlin Bros. on Franco-Valeur; second, McLaughlin Bros. on Figaro. Three-year-old stallions: First, McLaughlin Bros. on Gagne Denier; second, McLaughlin Bros. on Framme. Two-year-old stallions: First, McLaughlin Bros. on Gaur. Champion stallion: McLaughlin Bros. on Gagne Denier. French Coach Horse Registry Co. special. Aged stallions: First, McLaughlin Bros. on Furibonde. Three-year-old stallions: First, McLaughlin Bros. on Galop. Two-year-old stallion: First, McLaughlin Bros. on Halgout. Best 5 stallions: First, McLaughlin Bros. on Dragon, Ventour, Furibonde, Galop and Halgout.

Shires.

Aged stallion: First, Percheron Importing Co., St. Joseph, Mo., on Eskham Masterpiece. Three-year-old stallion: First, Percheron Importing Co. on General Surprise. Two-year-old stallion: First, Percheron Importing Co. on Cleveley's Harold; second, Finch Bros., Joliet, Ill., on Edward. Champion stallion: Percheron Importing Co. on Masterpiece. Aged mares: First, Finch Bros. on Verona Pearl. Champion mare: Finch Bros. on Verona Pearl.

German Coach Stallions.

Aged stallions: First, Holland Stock Farm on Isolason. Three-year-old stallions: First, Holland Stock Farm on Noudstamm; second, Holland Stock Farm on Franz. Champion stallion: Holland Stock Farm on Noudstamm. Best group of 3 stallions: Holland Stock Farm on Noudstamm, Franz and Isolason.

American Shire Horse Association Specials. Aged stallions: First, Percheron Importing Co. on Eskham Masterpiece. Three-year-old stallion: First, Percheron Importing Co. on General Surprise. Two-year-old stallions: First, Percheron Importing Co. on Cleveley's Harold; second, Finch Bros. on Edward. Aged mares: First, Finch Bros. on Verona Pearl. Champion stallion: Percheron Importing Co. on Eskham Masterpiece. Champion mare: Finch Bros. on Verona Pearl.

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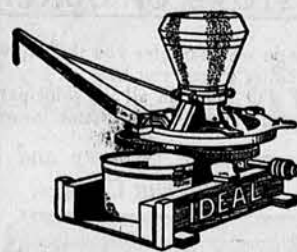
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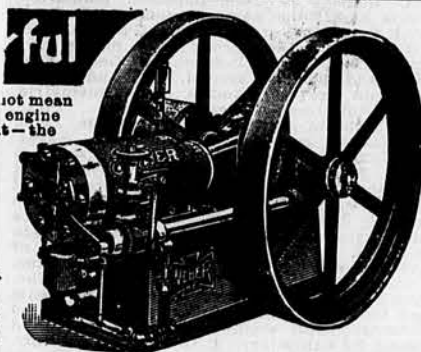
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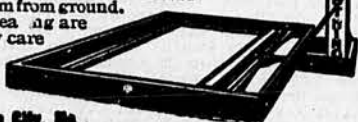
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RICH MEN'S CHILDREN

By Geraldine Bonner

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(Continued from last week.)

"It's all straight enough," she burst out. "What you say about telling your daughter, I did it and I was crazy. I'll admit that. But you'll have to admit on your side that it was pretty rough the way I was treated here, ordered out like a peddler. I was sore, and it was you that made me so. And I'll not deny that I wanted to hit you back. But you brought it on yourself. And, anyway, what does it matter if I go? Maybe your daughter's mad and disgusted now, but women don't stay that way for ever. If I get out, drop out of sight, the way I intend to do, give Dominick his freedom, isn't she going to forget all about what I said? Wouldn't any woman?"

The Bonanza King made no answer. He had no intention of talking with this objectionable woman about his daughter. But in his heart he sprang at the words. They were an echo of his own desires and opinions. If this woman took the money and went, would not Rose, in the course of time, relent in her attitude of iron disapproval, and smile on the man she loved? Could any woman hold out for ever in such a position?

"See here," Berny went on, "I'll leave a statement. I'll put it in your hands that I changed my mind and voluntarily left. I'll draw it up before a notary if you want. And it's true. She needn't think that I'm being forced out to make a place for her. I'm glad to go."

She had leaned nearer to him from the chair, one finger tapping the corner of the desk to emphasize her words. Scrutinizing her as she spoke, he became more than ever impressed with the conviction that she was held in a tremor of febrile excitement. Her voice had an under note of vibration in it, like the voice of one who breathes quickly. The orchid on her breast trembled with the trembling of her frame.

"Look here," he said quietly, "I want to understand this thing. What's made you change your mind so suddenly? A few days ago you were all up on fiddle-strings at the suggestion of taking that money. Here, this morning in your pop, and you're all of a tremble to get it. What's the meaning of it?"

"I can't stand it any more," she said. "When you said I couldn't the other day, that I'd break down, you were right. I can't stand it. Nobody could. It's broke me to pieces. I want to get away from it all. I want to go somewhere where I'm at peace, where the people don't hate me and hound me."

Her voice suddenly grew hoarse and she stopped. He looked at her in surprise. She bent her face down biting her under lip, and picked tremulously at the leaves of the purple orchid as if arranging them.

"You've beaten me," she said in a suddenly strangled voice, "you've beaten me. I can't fight any longer. Give me some money and let me go. I'm beaten."

She lowered her head still farther and burst into tears. So unexpected were they that she had no preparations for them. Her handkerchief was in the bead purse that hung on her wrist, and, blinded by tears, she could not find the clasp. Her fumbling hand tried for a possible reserve supply in her belt, and then in despair went up to her face and lifted her veil trying to brush away the falling drops. The Bonanza King stared at her amazed, as much surprised as if he had seen a man weep. Finally he felt in his own pocket, produced a crisply-laundered square of white linen and handed it to her, observing soothingly, "Here, take mine. You're all broke up, aren't you?"

She seized his offering and mopped her cheeks with it, sniffing and gasping, while he watched her in genuine solicitude. "What's woe you down to this state?" he said. "You're the nerviest woman I ever saw."

"It's—it's—all this thing," she answered in a stifled voice. "I'm just worn out. I haven't slept for nights,"—a memory of those miserable nights of perturbation and uncertainty swept over her and submerged her in a wave of self-pity. The tears gushed out again, and she held the old man's large handkerchief against her eyes, uttering small, sobbing noises, sunk in abandoned despondence in the hollow of the chair.

The Bonanza King was moved. The facile tears of women did not affect him, but the tears of this bold, hard, unbreakable creature, whom he had regarded only as an antagonist to be vanquished, stirred him to a sort of abashed sympathy. There was something singularly pathetic about the completeness of her breakdown. She, who had been so audacious an adversary, now in all her crumpled finery weeping into his handkerchief, was so entirely and utterly a feeble, crushable thing.

"Come, brace up," he said cheerfully. "We can't do any talking while you're acting this way. What's the proposition again?"

"I want some money and I want to go." She raised her head and lowered her handkerchief, speaking with a strained, throaty insistence like a child. "I can't live here any more." "I can't bear it. It would give a prize fighter nervous prostration. I can't bear it." Her voice grew small and high. "Really I can't," she managed to articulate, and then dissolved into another flood.

The old man, high in his swivel chair, sat with his hands in his pockets, his lips pursed and his eyes on the floor. Once or twice he whirled the chair slightly from one side to the other. After a pause of some minutes he said,

"Are you prepared to agree to everything Mrs. Ryan and I demanded?" After the last outbreak she had completely abandoned herself to the hysterical condition that was beyond her control. Now she made an effort to recover herself, sat up, swallowing and gasping, while she wiped her eyes.

"I'm ready to do it all," she sniffed, "only—only—," she paused on the verge of another collapse, suppressed it, and said with some show of returning animation, "only I must have some money now—a guarantee."

"Oh," he said with the descending note of comprehension. "As I remember, we agreed to pay you seven thousand dollars for the first year, the year of desertion."

She lowered the handkerchief entirely, presenting to him a disfigured face, all its good looks gone, but showing distinct signs of attention.

"I don't want the seven thousand. I'll waive it. I want a sum down, a guarantee, an advance. You offered me at first fifty thousand dollars. Give me that down and

I'll go this afternoon."

"That wasn't our original arrangement," he said to gain time.

"Deduct it from the rest. I must have it. I can't go without it. If you give me the check now I'll leave for New York tonight."

Her reviving interest and force seemed to have quenched the sources of her tears as suddenly as her exhausted nerves had made them flow. But her disfigured face, her figure which seemed to have shrunk in its fine clothes, were extremely pathetic.

"If you don't trust me send one of your clerks with me to buy my ticket, send one to see me off. I've left my husband for good, for ever. I can't live here any longer. Give me the money and let me go."

"I don't see that I'm going to have any security that you're going to carry out the whole plan. How do I know that you're not going to New York to have a good time and then, when you've spent the money, come back here?"

She sat up and sent a despairing look about the room as if in a wild search for something that would convince him of her sincerity.

"I swear, I promise," she cried with almost frantic emphasis, "that I'll never come back. I'm going for good and I'm going to set Dominick free. Oh, do believe me. Please. I'm telling the truth."

He was impressed by her manner, as he had been by her tears. Something undeniably had happened which had suddenly caused her to change her mind and decide to leave her husband. He did not think that it was what she had told him. Her excitement, her overwrought condition suggested a cause less gradual, more like a shock. He ran over in his mind the advantages of giving her the money. Nothing would be jeopardized by it. It would simply be an advance made on the sum they had agreed upon.

"Fifty thousand's too much," he said slowly. "But I'll be square to you and I'll split the difference and give you twenty-five. I'll give you the check now and you can take it and go tonight."

She shook her head obstinately. "It won't do," she said. "What difference does it make to you whether you give it to me now or next year? I'll give you a receipt for it. There won't be any trouble about it. It's as broad as it's long. It's simply an advance on the main sum."

He looked moodily at her and then down. Her demand seemed reasonable enough, but he distrusted her.

"Send out that clerk of yours to buy my ticket to New York. Tell him to go up to the flat and he'll see my trunks all packed and ready. I tell you you've beaten me. You and Mrs. Ryan are one too many for me."

He again looked at her, his lips pressed together, his eye coldly considering. "I'll give you thirty thousand dollars and it's understood that you're to leave the city tonight."

She demurred, but with less show of vigor, and, for a space, they haggled over the sum till they finally agreed upon thirty-five thousand dollars.

As the old man drew the check she watched him with avid eagerness, restraining by force the hand that trembled in its anxiety to become possessed of the slip of paper. He noticed, as she bent over the desk to sign the receipt, that her fingers shook so they could hardly direct the pen. She remarked it herself, setting it down to her upset nerves, and laughing at the sprawling signature.

With the check in her hand she rose, something of the airy buoyancy of demeanor that had marked her on her entrance returning to her.

"Well," she said, opening her purse, "this is the real beginning of our business relations. I feel as if we were partners."

The old man gave a short, dry laugh. He could not rid his mind of suspicions of her and the whole proceeding, though he did not see just how she could be deceiving him.

"Wait till next year," he said. "When I see the divorce papers I'll feel a lot surer of the partnership."

She snapped the clasp of her purse, laughing and moving to the door. She was wild to get away, to escape from the room that held such unpleasant memories and the old man, whose steely penetrating eye fastened on her, was full of unsatisfied query.

"Well, so long!" she cried, opening the door. "Next time we meet it will be more sociable, I hope. We really ought to be old friends by this time."

She hardly knew what she was saying, but she laughed with a natural gaiety, and in the doorway turned and bowed her jaunty good-bys to him. He stood back and nodded good-humoredly at her, his face showing puzzlement under his slight, ironic smile.

Once in the street her demeanor again changed. Her step became sharp and quick, her expression keenly absorbed and concentrated. A clock showed her that it was nearly half-past ten, and she walked with a speed that was as rapid a mode of progression as it could be without attracting attention, to the great bank on which the check was drawn. On the way down on the car she had thought out all her movements, just what she would do, and where she would go. Her mind was as clear, her movements as systematic as though she were moved by mechanism.

She ran up the steps to the bank and presented the check at the paying teller's window.

"In one-thousand dollar bills, if you please," she said, trying not to speak breathlessly, "all but five hundred, and you can give me that in one-hundred."

The man knew her, made some vaguely polite remark, and took the slip of paper back into unseen regions. Berny stood waiting, throbbing from head to foot with excitement. She was not afraid that she would refuse to cash the check. Her sole fear was that Cannon, as soon as she was gone, might have regretted his action and telephoned from his office to stop the payment on it. She knew that once the money was hers he would not make any attempt to get it back. His own reputation and that of his daughter were too inextricably bound up with the transaction for him to dare to apprehend or punish Berny for her deception.

Her heart gave a wild leap as she saw the teller returning, and then pause behind the netting of his golden cage while he counted out the bills. She tried to speak lightly to him as he laid them one by one on the glass slab. She was hardly conscious of what she said; all she realized was that the crisp roll of paper in her fingers was her

possession, if not a great fortune, at least something to stand between her and the world.

When she left the bank she walked forward slowly, the excitement which had carried her on to this point having suddenly left her feeling weak and tired. She entered the railway office and bought her ticket for New York for that evening's train. Then once more emerging into the sunshine she directed her steps to the car which would take her to her sisters. She had decided to spend her last day in San Francisco with them. As the car whisked her up the hills she carefully pondered on how much she would tell them, where truth was advisable and where fiction would serve a better purpose.

CHAPTER XXVII.

THE STORM CENTER MOVES.

As soon as Berny had left his office Bill Cannon wrote a note to Mrs. Ryan, telling her of the interview he had just had with her daughter-in-law. He did not mention the check, simply stating Berny's decision to accept their proposal and leave her husband. The matter was of too intimate a nature to trust to the telephone and he sent the note by one of his own clerks, who had instructions to wait for an answer, as the old man did not know what Mrs. Ryan might have already heard from Dominick.

It threw its recipient into a state of agitated quivering exultation. Mrs. Ryan had heard nothing from her son, and her hopes of the separation had sunk to the lowest ebb. Not so prudent as Cannon, she called up Dominick at the bank, asking him if it were true that his wife had left him, and beseeching him simply to tell her "yes" or "no." The young man, hampered by the publicity of his surroundings and his promise to Berny, answered her with the utmost brevity, telling her that there had been a change in his domestic life but that he could not enter into details now. He begged her to ask him no further questions as he would be at home at three o'clock that afternoon, when he would explain the whole matter to her.

She wrote this to the Bonanza King and sent it by his waiting messenger. The old man felt relieved when he read the letter. He was confident now that Berny had not deceived him. She had told the truth, and was leaving the town and her husband, for what reason he could not yet be sure, but there seemed no doubt that she was going. They would ignore the subject before Rose, and, in the course of time, Dominick would break down the unflinching resistance she had threatened to make to his suit. The old man felt buoyant and exhilarated. It looked as if things were at last going their way.

He sent a message to Mrs. Ryan, asking her to let him know as soon as possible what Dominick said, and waited in his office in a state of tension very foreign to his usual iron stolidity. It was four o'clock before word came from her in the form of a telephone message, demanding his presence at her house at the earliest possible moment. He responded to it at once, and in the sitting-room of the Ryan mansion, heard from Dominick's own lips the story of his false and tragic marriage.

The old man listened, unwinking, speechless, immovable. It was the one thing he had never thought of, a solution of the situation that was as completely unexpected to him as death would have been. He said nothing to Dominick about the money he had given Berny, did not mention having seen her. A sharp observer might have noticed that he looked a little blank, that the first shock of surprise over, there was a slight expression of wandering attention in his eye a suggestion of mental faculties inwardly focusing on an unseen point, about his manner.

He walked home, deeply thinking, abashed a little by the ease with which Fate unties the knots that man's clumsy fingers work over in vain. And it was untied. They were free—the boy and the girl he loved—to realize his and their own dreams. It would need no years of wooing to melt Rose from stony resistance. Nobody had been sacrificed.

He felt a sense of gratitude toward Berny. Down in his heart he was conscious of a stirring of something that was kindly, almost affectionate, toward her. It did not require a great stretch of imagination to see himself and her as two knowing, world-battered rogues who had combined to let youth and innocence have their happiness. He could almost feel the partnership with her she had spoken of, a sort of bond of Masonic understanding, a kindred attitude in matters of ethics. They had a mutually low estimate of human nature, a bold, cool unscrupulousness, a daring courage that never faltered. In fact he was sorry he had not given Berny the whole fifty thousand dollars.

"She could have got it out of me," he said to himself, pondering pensively. "If she'd stuck out for it I'd have given it to her. And she might just as well have had it."

That evening for the first time in nearly three years Dominick Ryan dined with his mother in the great dining-room of the Ryan mansion. Cornelia was out with Jack Duffy, so Mrs. Ryan had her boy all to herself, and she beamed and glowed and gloated on him as he sat opposite her, the reddened light of the candles falling on his beloved, familiar face.

After dinner they went into the sitting-room, the sanctum with the ebony cherry furniture where the family always retired when important matters were afoot. Here, side by side, they sat before the fireplace with the portrait of the late Cornelius Ryan looking benignly down on them. They did not talk much. The subject of the young man's marriage had been thoroughly gone over in the afternoon. Later on, his mother would extract from him further particulars, till she would be as conversant with that miserable chapter of his life as if she had lived it herself.

Tonight they were both in the quiescent state that follows turmoil and strife. They sat close together, staring into space, now and then dropping one of the short disconnected sentences that indicate a fused, understanding intimacy. The young man's body was limp in his chair, his mind lulled in the restorative lethargy, the suspension of activities, that follows a struggle. His thoughts shrank shudderingly from the past, and did not seek to penetrate the future. He rested in a torpor of relief through which a dreamy sense of happiness came dimly, as if in the faintest, most delicate whispers.

His mother's musings were definite and practical. She could now make that settlement, share and share alike, on both children that she had long desired—Cornelia's would be a dowry on her wedding day and Dominick's—well, Dominick had had hard times enough. She would go down tomorrow morning and see her lawyer about it.

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At the same hour, in the house of the other rich man, the Bonanza King, having driven the servants from the room with violet words that did not indicate bad humor so much as high spirits, told his daughter the story. He told it shortly, hardly more than the main facts, and when it was concluded, forbore to make comments or, in fact to look at her. It was a great deliverance but he was not quite sure that his darling would experience the frank, unadulterated joy that had possessed both himself and Mrs. Ryan without restraining qualms. He did not know what to say to Rose. There were mysterious complexities in her character that made him decide to confine his statement to a recital of facts, eliminating those candid expressions of feeling which he could permit himself when talking to Mrs. Ryan or Berny.

As soon as he had told it all he rose from his chair as if ending the interview. His daughter rose too, pale and silent, and he put his arm round her shoulders and pressed her against his chest in a good-night hug. She kissed him and went up stairs to her own rooms, and he returned to his armchair at the end of the dining-table. Here, as was his wont, he sat smoking and pondering, turning over in his head the various aspects of the curious story and its unexpected outcome. Once as the memory of Berny weeping into his handkerchief recurred to him, he stirred uneasily and muttered to himself.

"Why didn't the damned fool stick out for the whole fifty thousand? I'd have given it to her as soon as got."

Meantime the storm center, the focus round which the hopes and angers and fears of this little group had circled, was speeding eastward in the darkness of the early night. Berny sat in the corner of her section with her luggage piled high on the seat before her, a pillow behind her head. In the brightly clear light, intensified by reflections from glazed woodwork and the surface of mirrors she looked less haggard, calmer and steadier, than she had looked for many weeks. Relief was at her heart. Now that she had turned her back on it she realized how she had hated it all—the flat the isolation, the unsuccessful struggle, Dominick and his superior ways. The excitement of change, the desire of the new, the unfamiliar, the untold, which had taken far afield once before, sang in her blood and whispered its siren song in her ear. She had missed a fortune, but still she had something. She was not plunging penniless into the great outside world, and she pressed her hand against her chest where the thirty-five thousand dollars was sewed into the lining of her bodice. Thirty-five thousand dollars! It was a good deal if it wasn't three hundred thousand.

As the train thundered on, through the

darkness she saw before her the lights of great cities, and heard the call of liberty, the call of the nomad and the social vagabond, the call of the noisy thoroughfare, of the bright places, of the tumult and the crowd. The roving passion of the wanderer, to whom the spell of home is faint as a whisper in the night, passed into her veins like the invigorating heat

of wine. She exulted in the sense of her freedom, in the magic of adventure, in the wild independence of the unknown.

THE END.

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GEO B. ROSS, Alden, Rice County, Kan.

PUBLISHERS' NEWS

For 4 cents postage the Mexico Immigration Land and Fibre Co., 201 S. Main, Wichita, Kan., would be pleased to send you their illustrated booklet. It tells you how to get a home in Mexico on easy payments.

The Fred A. Walker Realty Co., 13. N. Main St., Wichita, Kan., would be pleased to send you full particulars in regard to securing English walnut lands in Yamhill county, Oregon. They invite correspondence.

Leforce and Badgett, reliable real estate firm, of Vinita, Okla., have listed a 310 acre farm near Vinita. 160 acres is in cultivation, balance hay and pasture at \$25.00 per acre. 800 bushels of corn go with this if taken at once.

Messrs. Murphy & Simpson, reliable real estate men at Fort Scott, Kan., have just listed a well improved 160 acre farm near Fort Scott at \$50.00 per acre. It is a bargain at this price. See full description on another page in this issue.

O. G. Pirtle, the big real estate dealer of Wilsey, Kan., is the man who can give information about Morris county, the great corn, alfalfa and stock county of middle Kansas. He has a large fund of experience, gained from long residence, and is thoroughly familiar with land and its values in that part of the State. Unfortunately his advertising card was marred by the misspelling of his postoffice address in last week's Kansas Farmer. Remember that his address is Wilsey, Morris county, Kan., in the center of the farm land which you wish to buy.

Cheaper Homes and Milder Climate.

We wish to call the attention of our readers to the advertisement of the Commonwealth Trust Company of Vinita, Okla., and to recommend all parties who wish to buy farm lands for a home or investment to write to this company, as they have a large amount of choice farm lands for sale in eastern Oklahoma at low prices and on easy terms.

Cooking Suggestions.

"The pie that mother made." How many of us have said that and laughed at someone's expense when the crust was heavy or the "stuffs" not cooked. The young housewife looks tearfully at the bread that won't raise or the biscuits that are so heavy and wonders what "the lord of the manor" will say when he sits down to an incomplete meal. A valuable little book called "The Enterprising Housekeeper" has proven of great benefit to thousands of good housewives who have had to contend with the unexpected visitor, the "flimsy" appetite and the many other little things that tend to make her life miserable. This book was published to sell for twenty-five cents, but for four cents in stamps, to cover the cost of mailing, the publishers will forward it to you. Address The Enterprise Manufacturing Company of Pa., Dept. 7, Philadelphia, Pa.

Chanute Business College.

Attention is called to the advertisement of the Chanute Business College at Chanute, Kan. This is one of the strongest and best institutions in Southeastern Kansas. It is centrally located, in one of the hustling business towns of the state. The writer visited this school recently and can recommend it to all young men and women desiring a thorough business education. Prof. J. D. Byers says it is impossible to meet the demands of business men for competent young men and women in every line of commercial activity. A post card or letter will bring you a catalog of the Chanute Business College which will tell you all about the school and town. If you contemplate taking a business course you should have in your possession one of the Chanute Business College nicely arranged catalogs. I will help you. Don't fail to send for one. Kindly mention the Kansas Farmer when you write.

Have You a Crippled Horse?

As evidence that Absorbine is successful on splints, I quote the following letter, received under date of Oct. 2, 1909, from R. S. Monsell, West Hampton, L. I. He writes: "Some time ago I wrote you in regard to my 2 year old colt having a bunch of splints. Some called it splint and some said it was where he had cuffed himself. At any rate, he was so lame I could not use him. I purchased a can of your Absorbine, used it by rubbing it on two or three times a day. Have taken the bunch off and last night drove him and he is going sound as a dollar. Also made a liniment as per your book on page 35, which has taken the soreness out." Absorbine, a splendid preparation for bog spavin, thoroughpin, curb, shoe boil, capped hock, puffs and swellings, etc., is sold at druggists for \$2.00 a bottle, or sent express prepaid upon receipt of price. Write for further information to W. F. Young, P. O. F., 211 Temple Street, Springfield, Mass.

A Rich Man's Car at a Poor Man's Price.

No more wonderful thing in the history of American industry can be shown than the growth and development of the automobile industry in the last half dozen years. No more wonderful thing in this history is to be found than the one fact that the panic of 1907 did not seriously cripple the automobile business, while it did have a disastrous effect on the cotton, woolen and shoe industries. The automobile manufacturers were apprehensive, of course, and shortened sail. They were uncertain as to the ultimate outcome of their business, as they mostly believed that the automobile was a luxury. The financial squeeze of 1907 served to awaken them to the fact that the automobile was a necessity, and it is now estimated that the total output of automobiles in this country for 1909 will be at least \$225,000,000. A remarkable feature of this newly developed business lies in the fact that the manufacturers are relying upon two great new purchasing factors. These are the farmer and the man with the middle class income. One of the largest manufacturers in the United States stated that seventy-five per cent of his \$1,200 vehicles were sold to farmers, and manufacturers everywhere are recognizing the demand for low priced, efficient cars. Among these manufacturers is the Monarch Motor Car Company, 1625 A Grand Ave., Kansas City, Mo., whose famous DeMott car is sold at \$550 complete. Notice their advertisement, mention the Kansas Farmer and write them for full details.

U. S. Separators Win Grand Prize at Seattle Exposition.

It will not surprise any one who has used a United States cream separator to learn

that this separator was awarded the Grand Prize, the highest possible award, at the Alaska-Yukon-Pacific Exposition, at Seattle, Wash. The award made by expert judges confirms the testimony of dairymen and farmers throughout the country, who have put this sterling separator to the test day after day on the farm. It is interesting to note that the United States separators exhibited at the Seattle Exposition were ordinary stock separators. No extra finish was put on them. They were all ready to go to work separating milk, and in fact, they will be sold and at work behind this article is read. The Vermont Farm Machine Co. has claimed for its United States separators that they are exceptionally easy running, easy cleaning and long lived, and possess the highest degree of skimming perfection. The award of Grand Prize bears out these assertions. The farmer who does not own a cream separator and who intends buying one is naturally interested in what others think of the merits of the various makes of separators. He depends on the testimony of actual users, and expert judges. The United States separator is fortunate in having so many loyal friends of its machines, who never miss an opportunity to "talk United States," and also in having received such unanimous approval in the shape of awards by exposition judges. The combination of these two recommendations cannot fail to impress the buyer of a separator. And he makes no mistake in following such advice, and buying a United States.

Get There Ahead of the Railroad.

Investors are looking the world over for places to put their money where it will be safe and productive. Very many men are realizing now as never before the value of real estate investments. This is especially true of men who have made their money in land. As the available plow land of the United States within the rain belt is practically all occupied, attention naturally centers in the irrigation districts. The agricultural press and the magazines are filled with stories of the wonderful results that have been attained in the semi-arid regions of the United States by irrigation. Under the conditions offered in the irrigation regions, weather conditions are eliminated from the calculations of the farmer and orchardist. Of course he can not protect himself entirely against frost but in these regions he does not need to. With a soil that has been accumulating a wealth of fertility for untold centuries, and which has been protected against leaching of the rain, and with an abundance of water for crop purposes, the good irrigation projects of today offer an unequal opportunity to the man who would make money from a cultivation of the soil. Among the best of the irrigation projects that have come to the attention of the writer is that now to be found in the lower Pecos Valley of Texas. This valley is situated in a country that has a natural rainfall of eighteen inches per year, and is provided with a reservoir that is two miles square, holds 20,000 acre feet of water, which is delivered through forty miles of canals. The government engineer states that in this country with its natural rainfall, and condition of soil the duty of water in the Pecos Valley should be one foot for every 150 acres. The project referred to, which is fully explained on the full page advertisement of F. H. Hornbeck, Land Commissioner, Kansas City, Mexico & Orient Railroad, 948 Baltimore Ave., Kansas City, Mo., guarantees one foot of water duty for each eighty acres of land, or approximately twice the amount that is considered necessary by the government expert. Secretary F. D. Coburn of the Kansas State Board of Agriculture visited this portion of the Pecos Valley recently, and is quoted as saying that it is marvellously adapted to irrigation purposes. It has a rich, natural soil, which lacks only the application of water to produce wonderful results, and this water is provided. Write to Mr. Hornbeck, 948 Baltimore Ave., Kansas City, Mo., for their free book and literature which gives full information about this marvelous new country.

PERCHERON HORSES, HOLSTEIN-FRIESIAN CATTLE.

Up-to-date Poland China hogs. Write for wants.

H. N. HOLDEMAN, Kansas.

BEST IMPORTED PERCHERON, BELGIAN, English Shire, Suffolk Punch and German Coach Stallions. \$800 to \$1,000 your choice. Imported mares, home-bred horses, \$250 to \$650.

A. LATIMER WILSON, Creston, Iowa.

Frank L. Stream, of Creston, Iowa, is selling young, choice imported Belgian Percheron, English Shire, Suffolk Punch and German Coach Stallions, at \$1,000. Home bred registered draft stallions \$500 to \$600.

FAIRVIEW JACK AND JENNET FARM

Registered Mammoth Jacks

and Jennets for sale cheap, at all times quality considered. They have big bones, big heads and ears, and breed big mules. They are Missouri Jacks—the best that grow—14½ to 16 hands high. A big lot to select from. Everything guaranteed as represented. Established 1892.

J. C. HUCKSTEP, Proprietor, EOLIA, MO.

JACKS FOR SALE

WE have at all times a good supply of Jacks from 14½ to 16 hands high. Buy one this fall and save money. Thirty head to select from. All Guaranteed.

PETTY BROS., SEDALIA, MISSOURI

PURE HONEY.

Extracted in cans of 60 lbs net, amber \$7.50, white \$9. Comb honey in one lb. sections. Send for price list. Nothing but genuine bees' honey. Reference Kansas Farmer. The Arkansas Valley Apiaries.

CHEEK & WALLINGER,

Los Animas, Colorado.

ROBISON'S PERCHERON SALE

TOWANDA, KAN., NOVEMBER 9, 1909

60—Registered Percheron Stallions, Mares and Colts at Auction, on the Whitewater Falls Stock Farm—60

20

Registered Imported
and American Bred
STALLIONS
HERD HEADERS

40

Imported and American
Bred Registered
MARES

10

Weanling Colts Sired by
Casino

This sale will include the
grandest lot of Brood Mares
ever offered for sale in
America

40

Mares bred to Casino
the greatest prize win-
ning Percheron stallion
living.



DOLORES 45657
First Prize Winner Kansas State Fair, 1908 and 1909; Grand Champion Mare
Kansas State Fair, 1909.

Prize Winners

This is the first sale held
at the Farm and will be
held in the new \$5000.00
Sale Pavilion.

The 1909 Show Herd in-
cluded in this sale.

Four miles N. W. of To-
wanda, on the Missouri
Pacific R. R.

AUCTIONEERS—
R. L. Harriman
Jas. W. Sparks
[W. M. Arnold]
L. E. Fife

C O M E !

Address for Catalogue, J. C. ROBISON, Towanda, Kan.

FIELD NOTES

FIELD MEN.

O. W. Devine.....Topeka, Kan.
Jesse R. Johnson.....Clay Center, Kan.
J. W. Johnson.....Beloit, Kan.

TOO LATE TO CLASSIFY PURE BRED STOCK SALES

Percherons.
Nov. 15—J. H. Miller, Kirksville, Mo.
Nov. 18—Closing out sale M. A. Low, Hor-
ton, Kan. O. M. Keats, Manager.
Trotters, Sadalers and Drivers.
Nov. 18—Closing out sale, M. A. Low,
Horton, Kan. O. M. Keats, Manager.

Duroc Jerseys.
Nov. 20—S. W. Alfred & Son, Sharon, Kan.
Nov. 27—F. G. McDowell, Cornland, Kansas.

Angus Cattle.
Nov. 23—W. F. Eckles, Green City, Mo.

Jersey Cattle.
Feb. 15—O. P. Dovel, Auburn, Nebraska.
Jacks and Jennets.
March 1st and 2nd—Monsus & Son,
Smithton, Mo.

P. G. George, Wayne, Kan., writes that
the Farmers' Institute at that place on
October 13 was very successful. There was
a large turnout of farmers and their families
in the forenoon, while the house was so
packed at the afternoon and evening ses-
sions that standing-room was at a premium.
Mr. George speaks very highly of the ad-
dresses given by Prof. G. C. Wheeler, Prof.
W. S. Gearhart, and Prof. J. C. Martin of
the State Agricultural College. In con-
nection with the institute there were some
exhibits, though Mr. George mentions only
those made by the ladies. These he says
were excellent and pleased everybody.

S. W. Alfred of Sharon, Kan., had a show
herd out this year with which he made
good. At the Kansas State Fair at Hutchin-
son he won first on senior yearling boar,
and reserve grand champion on Top Com-
modore. Top Commodore also won the
championship and one of his pigs won first
on junior boar pig, and reserve champion
pig, and also the championship. At the
Oklahoma State Fair this year Top Com-
modore won senior yearling and second prize
was given to one of his sons. Mr. Alfred
won first prize on young herd bred by
exhibitor, and second prize on young herd,
open entries. On produce of sow he won
second, and on get of sire he won second.
Both by animals sired by Top Commodore.
Top Commodore also won first prize and
reserve championship.

The Shawnee Breeders Association will
hold a big two days sale of pure bred
cattle at the sale pavilion on the State
Fair Grounds at Topeka, on Nov. 18 and
19. On the first day there will be offered
forty head of Shorthorns from the herds
of well known breeders. These animals are
selected with care, and it is the intention
of the officers of this association to offer
choice animals in good breeding condition,
and hence draft has been made from some

of the best known herds in Shawnee and
adjacent counties. Perhaps the heaviest
consignor will be C. W. Merriam, who will
draw upon his Alysdale herd near Topeka
for some very choice cattle. Another heavy
consignor will be Col. Ed Green of Fijor-
ence, Kan., whose well known Greendale
herd of Shorthorns has been prominent in
Central Kansas for many years. The second
day of the sale will be devoted to the sel-
ling of forty head of Herefords. In this
sale no effort has been spared to get choice
animals, and the herds C. A. Stannard, of
Emporia, Klaus Bros., of Bendena, J. A.
Carpenter of Carbondale, and L. L. Vroo-
man of Topeka have been drawn upon.
The herds of Messrs. Stannard and Klaus
Pros. have both been prominent in the show-
ring of the current year, and all are well
known and the offering will be good.

The Ross Farm at Alden, Kan.

We wish to call the attention of our
readers to the neat ad of the Ross Farm
on another page. Mr. Ross is advertising
40 head of Percheron mares, 1 to 4 years
old. He has several nicely matched teams
blacks, bays and grays, imported and Ameri-
can bred; also a few extra good young
stallions with plenty of bone and quality.
He also has on hand thirty head of pure
Scotch heifers, all reds and extra good,
at a bargain. If you are looking for either
Percherons or Shorthorn cattle you can
not afford to miss seeing the Ross Farm
at Alden, Kan. Write for prices and de-
scription. Kindly mention Kansas Farmer
when you write.

Col. Burger a Busy Man.

Col. L. F. Burger, the well known live
stock auctioneer of Wellington, Kan., has a
few open dates in November. If you have
not hired an auctioneer for your sale bet-
ter write Colonel Burger. Most breeders
know that Colonel Burger is a tireless
worker and has the faculty of dispatching of
a great volume of work. Many breeders
in Kansas, Missouri, Oklahoma and ad-
joining state cling to the theory that no
sale is complete without L. F. Burger.
Kindly mention Kansas Farmer when you
write.

The Designer Sale Nov. 8.

C. S. Nevius of Chiles, Kan., will sell
on Nov. 8, a draft of the large Poland
Chinas. Anyone looking for large Polands,
well grown, well-bred and in good thrifty
condition should not overlook this sale.
This offering is strictly the large smooth
easy feeding Poland China hogs. Mostly
sired by Designer, Major-Look and Columbia
Expansion. C. S. Nevius is widely known
and has built up a reputation for raising
and breeding a good useful farmer hog.
They are not pampered or kept too fat,
but are cared for in a way that they al-
ways make the buyer money. Send in
your name early for a catalog and arrange
to attend this sale. Look up his ad on
another page. Kindly mention Kansas
Farmer when you write.

Good Swiss Herd.

The Kansas Farmer is in receipt of a
letter from Dahlem & Schmidt of Pontiac,
Kan., regarding their Brown Swiss cattle
in which they say: "Beginning in March
1902 we selected our foundation stock from
the three leading herds of the country,
those of G. Y. Barton, Hinsdale, Ill., J. H.
Inman, Beloit, Wis., and H. W. Ayers,
Honey Creek, Wis. These firms have been
responsible breeders for many years, and

have as good Swiss cattle as can be found
anywhere. All of our breeding stock is
registered, except a few young ones. These
are all eligible and can be registered at any
time. The young bulls and bull calves,
which we have advertised in the Kansas
Farmer are all good ones. They are that
low down blocky kind, and of splendid
dairy breeding. They are all sired by Palma
C. 2250, a smooth, handsome bull 3 years
of age.

Hereford Sale at Holton.

Saturday Nov. 6, Emil Hoffmeyer, of
Holton, Kan., will hold a closing out sale
of his fine registered Herefords. The sale
will be held at the farm adjoining town
and will consist of 35 head of which 37
are females. The rest are bulls of service-
able age including the splendid herd bul'
Gay Donald by Beau Donald 7th, he by
Beau Donald 88986. The offering is by
such sires as Gal Donald, Spectator, Madison
and Phoenix 91455, Tribune 43421 and
Climax 60942. The cows are excellent in-
dividuals many of them weighing from 1,400
to 1,800 pounds when fat. Remember this
is a closing out sale and everything will
be sold regardless of price. Write for cata-
log and mention Kansas Farmer. Sale will
be held under cover and entertainment will
be found at city hotel.

J. W. Pelphrey & Son Sell Nov. 3.

On Nov. 3, J. W. Pelphrey & Son of
Chanute, Kan., will sell 80 head of Poland
Chinas. In this offering there will be five
yearling sows, four spring gilts and two
spring boars sired by Grand Perfection.
These are the medium type Polands. The
remainder of the offering will be by Erie
Expansion by Mammoth Expansion and out
of Orange Look. Erie Expansion is one of
the large type and bred from a large type
of Polands tracing away down the line of
ancestors and both sire and dam. Mr. Pel-
phrey has grown these out well and they
are in fine sale condition. There is not
a runt or poor one in the entire offering.
Prospective buyers will not be disappointed
sale day when they see the offering that
will be sold by J. W. Pelphrey & Son. We
urge all lovers of good Poland Chinas to
send for a catalog and arrange to attend
this sale. Remember the date Nov. 3, and
Chanute, Kan., the place. Kindly men-
tion Kansas Farmer when you write.

C. L. Carter Sells Durocs Nov. 8.

On Nov. 8, C. L. Carter, of Cabool, Mo.,
Secretary of the Missouri Duroc Jersey asso-
ciation, will sell one of the best bred lots
of Durocs that will be sold this year. Mr.
Carter has more prize winning blood in
his herd than any breeder we know of.
Mr. Carter has followed but one policy, that
is to buy the best to be found, then raise
the best that scientific breeding and proper
methods could produce. Mr. Carter has been
successful in his business and is making
money out of the hog business. He always
sells as good as he has in the herd and
then buys the best he can find without
limit to price, providing the animal is
worthy of individuality and breeding. The
results from such careful matings will be
offered to the public on Nov. 8. There
never was such an opportunity to buy high
class Durocs in Southern Missouri. The
offering consists of several sows bred for
late fall and winter litters bred to Col.
Carter, by Col. S. One of the choice sows
is Tennessee 5th by King of Co's out of
an Ohio Chief dam. This sow is full of
quality, a 2-year-old sow that was a winner

in class at Illinois State Fair last year.
She was also in the first prize herd. Among
other extra good sows is a king of Colonel's
yearling out of a Col Scott dam, one by
C. E.'s Col. sow out of an Ohio Chief dam.
One yearling sow by Col. Improver by
Eds Col, one yearling sow by Lively Ad-
vance, by Proud Advance, out of an Ohio
Chief sow, two extra good Ohio Chief sows,
one yearling sow by Kettling Pilot Wonder
by the only Mangle Chief, by King of Models
out of an Inventor Price Chief sow, by
Crimson Wonder again out of an Ohio Chief
dam. One very fine spring boar by Col.'s
S. out of an Ohio Chief dam. The entire
offering is bred close to all the great
prize winners and buyers can make no
mistake by buying some of this good seed.
Don't fail to send for a catalog. Kindly
mention Kansas Farmer when you write.

Chapman's Big Poland Auction.

Without doubt one of the greatest of
the strictly big type Poland China sales of
the season will be the sale to be made by
H. S. Chapman & Sons at their farm, five
miles East of Pawnee City, Neb., on Thurs-
day, Nov. 4. The Chapman herd is recog-
nized as the great herd for this section of
Nebraska. It was founded longer ago than
any other herd in this part of the state,
the offering will consist of 45 head of as
big heavy boned March farrow pigs as
ever went through a sale ring in the West.
There will be 2 boars and 25 gilts. All
sired by the great sire Looks Grand by the
noted prize winner Grand Chief and out of
an Expansion sow. Looks Grand has an
eleven inch bone and is but a two year
old. He is not only big but breeds big be-
cause he has a long line of big ancestors.
In the Chapman herd are a lot of the
greatest sows the writer ever looked at
among them several by the greatest brood
sire King Do Do, one of the biggest boars
Expansion ever sired. Then there are sows
by Johnson's Chief, Big Hadley, Grand
Look and other sires of note. The offer-
ing is all of March farrow and will average
250 pounds. In fact they are so uniform
that it would be almost impossible to say
much about any certain ones without doing
an injustice to the rest, so we are just going
to suggest that you write early for a cata-
log and make your plans to be there sale
day or send buying instructions to Jesse
Johnson in Mr. Chapman's care at DuBois,
Neb.

Dunham's Percherons

Renowned for nearly fifty
years as the best. Over 200
Percherons imported the
last year. Importation
arrived August 1st is
the best we have ever
made. If you want the
best horses, horses with
bone, quality, size, ac-
tion, and best breeding
stallions or mares; if you want fair
and liberal treatment; if you want
lowest prices consistent with good
merchandise, visit Oaklawn, the
greatest importing and breeding establish-
ment in the world.

Catalog shows the place and the horses.
W. S., J. B., & B. DUNHAM,
Wayne, Illinois.

IT'S GOING TO RAIN!



IT MAY NOT RAIN TODAY OR TOMORROW BUT
WET DAYS ARE SURE TO COME.

You can be just as comfortable on a rainy day as on a dry day if you wear one of Tower's Fish Brand Slickers or Suits.

Kansas Farmer has made special arrangements with the manufacturers of these goods whereby we can give to every reader of Kansas Farmer one of these slickers or suits together with a full year's subscription for ONLY THREE DOLLARS.

Or, we will give one of either the slickers or suits to any one sending us three subscriptions at \$1 each, two of which must be new subscriptions.

Your own renewal and two new subscriptions will get you the coat or suit.

The Fish Brand goods are positively the best in the world. They are known and sold everywhere. This is one of the best offers we have ever been able to make our readers.



The slickers are put out in only four sizes, as follows:

No. 0, 62 inches in length; 36 inches center back, 56 inches breast.

No. 1, 61 inches in length; 35 inches center back, 54 inches breast.

No. 2, 59 inches in length; 34 inches center back, 52 inches breast.

No. 3, 57 inches in length; 33 inches center back, 50 inches breast.

If you wish a full suit instead of the slicker overcoat give us the size of coat and trousers you wear and we will send you the proper sized suit.

We don't know how long we will be able to make this remarkable offer so send your order at once in order that we may be sure to accommodate you. Address,



Circulation Manager, Kansas Farmer, Topeka, Kan.

— 40 HEAD — LARGE TYPE POLAND CHINAS Garnett, Kan., Oct. 27

Three fall boars and 4 fall gilts sired by O. K. Price, 11 head sired by Hadley Boy. Hadley Boy was by Hull's Hadley and half brother to Harshaw's big Hadley.

Twenty-five gilts sired by O. K. Price large and smooth. The best in my herd go in this sale. Send for catalog and come to my sale.

Send bids to O. W. Devine, representing Kansas Farmer. Sale right in town.

GEO. M. HULL,
Garnett, - - - Kan.

\$10.00 Sweep Feed Grinders. **\$14.00** Salvaged Steel Wind Mill.

We manufacture all sizes and styles. It will pay you to investigate. Write for catalog and price list.

CURRIE WIND MILL CO.,
Seventh St., Topeka, Kansas

DEAN EAR CORN CUTTER.

In 1, 2 and 4 hole size; Slices corn from 1/2 to 2 in.; does it rapidly; just the machine to prepare corn for calves, stock or fat cattle; no waste, they eat it all. Cutter returned at our expense if not satisfactory. Circulars free; write today.

Enterprise Wind Mill Co.,
Dept. 28 Sandwich, Ill.

\$50 TO \$300 SAVED

We are manufacturers, not merchants. Save dealers, jobbers and catalog house profit. I'll save you from \$50 to \$300 on my High Grade Standard Gasoline Engines from 2 to 22 H.P.—Price direct to you lower than dealers or jobbers have to pay for similar engines in carload lots for spot cash.

GALLOWAY

Price and quality speak for themselves and you are to be the sole judge. Sell your poorest horse and buy a 5-H.-P. only \$119.80

Direct From My Factory on 30 Days' Free Trial. Satisfaction or money back. Write for special proposition. All you pay me is for raw material, labor and one small profit. Send for my big BOOK FREE.

Wm. Galloway, Pres.
Wm. Galloway Co.
285 Galloway Station
Waterloo, Iowa

FIELD NOTES

FIELD MEN.

O. W. Devine.....Topeka, Kan.
Jesse R. Johnson.....Clay Center, Kan.
J. W. Johnson.....Beloit, Kan.

PURE BRED STOCK SALES.

Percherons.
Nov. 9—J. C. Robison, Towanda, Kan.
Nov. 11—Percheron Breeders' Sale at Manhattan, Kan. Will H. Rhodes, Manager.
Nov. 16, 17—Lakewood Farm, Rock Rapids, Ia. Sale at Sioux City.

Draft Horses.
Nov. 26, 27, 28—Percherons, Belgians, French Draft, Shires, Clydes, Trotters, at Bloomington, Ill. C. W. Hurt, manager, Arrowsmith, Ill.

Marriage Muleys.
Nov. 18—John Marriage, Mullinville, Kan.

Herefords.
Oct. 27—Miss Lou Goodwin's dispersion at Blue Rapids. Chas. R. Thomas, manager, Williamson Bldg., Kansas City, Mo.
Nov. 6—Emil Hoffmeyer, Holton, Kansas.
Nov. 12—Breeders' Sale Company, sale at Bloomington, Ill. C. W. Hurt, manager, Arrowsmith, Ill.
Nov. 16—Shawnee Breeders' Association, L. L. Vrooman, manager, Topeka, Kan.

Shorthorns.
Nov. 9—Breeders' Sale Company, sale at Bloomington, Ill. C. W. Hurt, manager, Arrowsmith, Ill.
Nov. 17—Shawnee Breeders' Association, L. L. Vrooman, manager, Topeka, Kan.
Nov. 28—C. S. Nevius, Chiles, Kan.
Feb. 24—Glover & McGlynn, Grandview, Mo.

Folled Durhams.
Nov. 10—Breeders' Sale Company, sale at Bloomington, Ill. C. W. Hurt, manager, Arrowsmith, Ill.

Aberdeen-Angus.
Oct. 27—Sutton Farms, Chas. E. Sutton, owner, Lawrence, Kan.
Nov. 11—Breeders' Sale Company, sale at Bloomington, Ill. C. W. Hurt, manager, Arrowsmith, Ill.

Holstein-Friesians.
Feb. 8-10—Henry C. Glassman, Station B, Omaha, at South Omaha, Neb.

Poland Chinas.
Oct. 25—R. M. Bell, Beattie, Kan.
Oct. 26—C. S. Nevius, Chiles, Kan.
Oct. 27—G. M. Hill, Garnett, Kan.
Oct. 28—W. R. Webb, Bendena, Kan.
Oct. 29—A. R. Enos, Lost Springs, Kan.
Oct. 30—J. H. Hamilton & Son, Guide Rock, Neb.
Nov. 2—H. J. Griffith, Clay Center, Kan.
Nov. 2-3—Breeders' Sale Company, sale at Bloomington, Ill. C. W. Hurt, manager, Arrowsmith, Ill.
Nov. 3—J. W. Pelphrey & Sons, Humboldt, Kan.
Nov. 3—J. W. Owens, Mill Grove, Mo.
Nov. 3—D. W. Evans, Fairview, Kan.
Nov. 3—J. W. Pelphrey & Sons, Chanute, Kan.
Nov. 4—E. E. Axline, Oak Grove, Mo.
Nov. 4—H. S. Chapman & Sons, Dubois, Neb.
Nov. 5—The Mortons, Tampa, Kan.
Nov. 5—C. S. Nevius, Chiles, Kan.
Nov. 10—H. B. Walter, Effingham, Kan.
Nov. 27—G. W. Roberts, Larned, Kan.
Jan. 7—B. M. Bell, Beattie, Kan.
Jan. 19—H. O. Sheldon, Wichita, Kan.
Jan. 27—F. G. Nies & Son, Goddard, Kan., sale at Clearwater, Kan.
Feb. 2—F. G. Nies & Son, Goddard, Kan.
Feb. 12—D. A. Wolfersperger, Lindsay, Kan.
Feb. 15—C. H. Pilcher, Glasco, Kan., at Concordia, Kan.
Feb. 16—J. H. Harter, Westmoreland, Kan.
Feb. 25—Chas. O. Parsons, Clearwater, Kan.
Feb. 25—Lee Gross, Nelson, Neb., and John Barnard, Angus, Neb., at Nelson, Neb.

Durocs.
Oct. 27—Pearl H. Pagett, Beloit, Kan.
Oct. 30—H. E. Vanhooser, Eldon, Mo.
Oct. 30—W. H. Nicholson, Spring Hill, Kan.
Nov. 2-3—Breeders' Sale Company, sale at Bloomington, Ill. C. W. Hurt, manager, Arrowsmith, Ill.
Nov. 5—Miner & Cross, Guide Rock, Neb.
Nov. 8—C. L. Carter, Cabool, Mo.
Nov. 10—Sam'l Drybread, Elk City, Kan.
Nov. 16—F. T. Hadachek, Wayne, Kan.
Jan. 11—W. M. Puttman, Tecumseh, Neb.
Jan. 31—J. E. Joines, Clyde, Kan.
Feb. 1—Pearl H. Pagett, Beloit, Kan., and R. G. Sollenbarger, Woodston, Kan. Combination sale at Concordia, Kan.
Feb. 2—E. M. Myers, Burr Oak, Kan.
Feb. 3—Rinehart & Slagle, Smith Center, Kan.
Feb. 4—W. C. Whitney, Agra, Kan.
Feb. 7—Frank Elder, Green, Kan. Sale at Clay Center, Kan.
Feb. 8—Samuelson Bros., Cleburne, Kan.
Feb. 9—Miner & Cross, Guide Rock, Neb., at Superior, Neb.
Feb. 10—Samuelson Bros., Blain, Kan.
Feb. 17—Thompson Bros., Garrison, Kan.
Feb. 18—T. E. Goethe, Leonardville, Kan.
Feb. 21—W. T. Fitch, Minneapolis, Kan.
Feb. 22—Pearl H. Pagett, Beloit, Kan.
Feb. 23—F. G. McDowell, Corning, Kan.
Feb. 23—R. G. Sollenbarger, Woodston, Kan.

Berkshires.
Nov. 2-3—Breeders' Sale Company, sale at Bloomington, Ill. C. W. Hurt, manager, Arrowsmith, Ill.
Feb. 15—F. T. Hadachek, Wayne, Kan.

Hampshire Swine.
Nov. 2-3—Breeders' Sale Company, sale at Bloomington, Ill. C. W. Hurt, manager, Arrowsmith, Ill.

Combination Sales.
Dec. 11-18—End Fine Stock Show and Sale. F. S. Kirk, Manager, Enid, Okla.
Feb. 16, 17, 18—Mitchell County Breeders' Association, Beloit, Kan.

International Sales.
Nov. 30—American Hereford Breeders' Association, Chicago, Ill.



THE only American Steel Lined shells are UMC Arrow and Nitro Club. The Steel Lining around the smokeless powder keeps out the moisture and makes them better, stronger and safer.

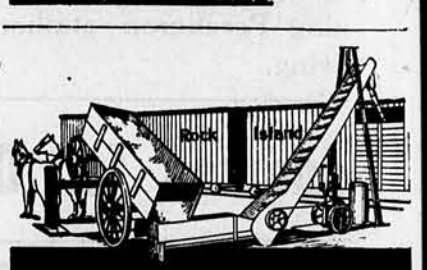
UMC Steel Lined shells cost more to make but no more to buy. The Steel Lining is a gift to sportsmen—your protection at our expense.

Look for the UMC round red trade mark on the box.

Made for Remington and all other Shotguns.

Game Laws Free.
The UNION METALLIC CARTRIDGE CO.
Bridgeport, Conn.

Agency,
315 Broadway
New York City



Save Wages—Save Time

If you raise small grain or corn you should have a Grain Dump and Elevator. It will handle your ear corn and grain in the most economical and satisfactory way. Drive your load on the wagon dump, throw clutch in gear, start the horse power and rest.

Little Giant Wagon Dumps and Elevators

will make use of every available foot of space in your bins—they're the simplest and most durable elevators on the market.

We have a book of plans that will save you hundreds of dollars in corn crib building—it's yours for the asking. Write for booklet G

Rock Island Implement Co.
Kansas City, Mo.

Wheels of Steel

Construction—that's the important thing in steel wheels. No spokes to rattle. No repair bills. Empire steel wheels are made to last a lifetime. Listen to one of our customers: "Gentlemen—I send you herewith order for 4 more wheels. The wheels I got from you 10 years ago are all right now. That's QUALITY. It's the Empire idea all thro'. Ask about Empire Wagons. Shall we send catalog?"

EMPIRE MFG. CO., Box 20A, QUINCY, ILLINOIS

ONE MOTION AND HUSK IS OFF

KEES 12 IN 1 HUSKER DOES IT.

Best quality steel and leather. Protects hand and wrist. 16 to 15 more bushels husked in a day with a Kees. Adjusts to 12 different positions. Single or double hook. Right or left hand. Ask dealer for genuine Kees. If he hasn't it send 4c for sample. Write for our FREE Booklet on Cern Huskers.

F. J. KEES MFG. CO. Box 115 Beatrice, Neb.

BOWSER SWEEP MILLS

Different from all others. Grind Corn with shucks or without. Knife in the head and all kinds small grain. 4 and 8 horse sizes. Grated 10 to 1 or 7 to 1. (Also make 8 sizes belt mills)

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

Send for Booklet Horse Troubles

DEATH TO HEAVY NEWTON'S

Heavy, Cough & Distemper Cure. Guaranteed or Money Back. \$1.00 per can, 6c delivery, or Express Paid. 15 Yrs. Sale. THE NEWTON REMEDY CO. 10400, Ohio.

Be sure to read Wm. Galloway's big 1910 clincher proposition on pages 16 and 17.

Seckles' Angus Sale.

W. F. Seckles, the well known and successful Angus breeder, located at Green City, Mo., claims November 23 as the date for his fall Aberdeen-Angus sale. He will sell from 45 to 5 head, about a dozen of which will be consigned by W. M. England of Callio, Mo. The offering will consist of cows with calves at foot, heifers and bulls of serviceable age. Representatives of the great Queen Mary, Heather Bloom, Drummin Lucy and Lady Ann families. Watch Kansas Farmer for announcement of this sale.

Here's an easy way to make \$5.00 cash quick—just read Galloway's special proposition on pages 16 and 17.

The Kansas State Agricultural College Makes Good at the Royal.

In addition to the premiums already reported as having been won by the Kansas State Agricultural College in the breeding classes and in the students judging contest that institution won first and third on pure bred Angus steer herd. First and second on 2-year-old Angus steer, first and second on yearling Angus steer, second on steer calf, first and champion on 2-year-old Galloway, first on yearling Galloway grade, second on yearling Shorthorn grade steer and grade calf, second on Shorthorn steer herd, third on Hereford yearling steer. First on Tankage fed pen of 3 barrows, 150 to 200 pounds. First on pen of 3 barrows, 200 to 250 pounds.

Galloway has them all on the run—a whole race track ahead. See pages 16 and 17 for his 1910 announcements.

Closing Out Sale at Walnut Grove Farm.

At the closing out sale of Walnut Grove Farm, Horton, Kan., to be held Nov. 18, 1909, will be offered a choice lot of registered Percherons, including the massive imported black stallion, Rapide, and among the mares, some fine, big ones by Niagara, by Theudis, sire of Casino and Calypso. The young stallions and fillies to be sold are particularly attractive. In addition to the registered Percherons, there are a number of desirable grade draft mares, colts and fillies. All the trotting stock on the farm, including a fine young stallion by Allertonian, out of the dam of Thornefield 2:10½, and others equally well-bred, will be sold. There are a number of combination saddle and driving horses of good style and finish. Among the horses to be sold is the game pacer, Lord Staley 2:16¼. A large amount of farm machinery and the sulkeys, carts, harness, etc., used in the training stable will be sold. For catalogs, address O. M. Kents, Horton, Kan.

Galloway will protect his eleven spreader patents to the full extent of the law for damages on infringers. See pages 16 and 17.

Hubert Griffiths Sells Polands.

This issue of Kansas Farmer contains the announcement of Hubert J. Griffiths Poland China sale to be held at the farm, six miles west of Clay Center, Kan., on Tuesday, Nov. 2d. This will be one of the choice offerings of the season as Mr. Griffiths breeds the strictly big smooth sort. He has raised and fed pure bred hogs all his life and knows quite well the kind that please the farmers. The offering will consist of 20 big strong boars and 15 good useful kind of carefully selected gilts, all of the culs of either sex have been put into the fattening pen. There will be one January boar and the rest of April farrow. In the female division will be one dandy tried sow with a fine litter at foot by the herd boar Hugh Corwin. This sow is a daughter of the once quite noted boar Philanthropy by Expansion. The other females are spring gilts. All of the young things are by Hugh Corwin, a boar that must be seen to be appreciated. He is by Janssens Moghu a boar of note and his dam was one of the greatest sows ever owned by Carl Jansen of Belle-ville, Kan. They called her Daisy Corwin. Hugh Corwin combines size and quality to a very remarkable degree and transmits it to his offspring. The offering is very uniform and one that will please. Write now for catalog and if unable to attend. Send bids to Jesse Johnson in Mr. Griffiths care.

If ever there was a crank on quality, it's Wm. Galloway. See his big clincher proposition for 1910 on pages 16 and 17 of this issue.

Miss Goodwin's Sale Oct. 27.

The best chance of the season to buy right kind of Herefords will be at Miss Goodwin's closing out sale to be held in the sale pavilion at Blue Rapids, Kan., Wednesday, Oct. 27. The offering will consist of all the cows that have held such prominent positions in this great herd for the past few years. And the truly great bull Christy is to find a new home. Can't a field note be written or enough be said to make breeders understand what a bull Christy is individually. In our opinion he is one of the greatest bulls of the breed now living. He has size, style, beautiful head and horns and the best front ever seen on any bull. And besides being individually great he has proven himself a wonderful sire. The cows in the sale are cows that have been kept in the herd because of their excellence in breeding and producing. There are nine by the show bull Mays Keep On, and six by Beau Mystic. The heifers and young bulls, of which there are a great lot, are by Christy and Beau March On. Christy is a ton bull and it is the opinion of competent judges that had he been shown this year he would have been good enough for first at the best shows. Among the young bulls are a couple of outstanding ones by Beau March On. The dam of one is by Mays Keep On and out of a Wild Tom cow. The dam of the other is by Beau Mystic. Every animal in this sale except four was bred by Miss Goodwin. This is something for any breeder to be proud of. No breeder whether an old breeder or a beginner can afford to miss this sale. Don't fail to be there.

The Morton's Nov. 5 Sale.

One of the fall Poland China sales that breeders and hog men in general should be looking forward to and planning to attend is the sale of the Morton's of Tampa,

Kan. The Morton's are big men physically, socially and big hog men. They raise them by the hundred and sell the tops for breeders. This year's offering will consist of 60 head in all about evenly divided as to sex. Included in the female division are five tried sows of real merit, that are being put in as special attractions. A big per cent of the offering was sired by the herd boar Star Pointer by Masticator and out of Thistlepot, making him a half brother to Moddler 2nd. Among the great sows in the herd are Beauty I Am Chief, Perfection 2nd, Lail's Corrector 4th, by Perfection E. L. Lail's Water by Corrector 2nd, Miss Moddler by Moddler 2nd, Smoky Water by Tom Lipton, Onetta by On and On, Arlove by Domineer. Among the pigs that should attract attention will be a pair of great spring boars by Corrector 2nd dam. Aneta 2nd and Lail's Corrector 4th are also included in the sale. The Morton's have gone out and bought the best and have the same kind for sale in this sale. They will be the kind that will give results in new hands for they have been fed with an idea to their future usefulness. It will be a real treat to attend this sale just as a spectator and every breeder and farmer in Kansas is invited. Write for catalog just as soon as you read this mentioning Kansas Farmer.

The E. J. Helzel Percheron Mare Sale.

Kansas Farmer takes pleasure in calling attention to the advertisement of the E. J. Helzel sale of Percheron mares, which will be held at Fremont, Ia., on Wednesday, Nov. 10. There will be thirty-five head of mares, which were selected by a personal inspection of the owner in the Perche district of France early in the season before other importers had arrived on the grounds. This gave him a favorable opportunity which he thinks he has improved to the extent of being able to offer the best consignment of Percheron mares that was ever made in the United States. These mares were purchased for the purpose of supplying his customers at private sale, but Mr. Helzel finds that he is so crowded with his very large and growing stallion business, that he can sell a part of his bunch of mares to his advantage, and certainly to the advantage of the buyer. Privately he will sell some stallions at the same time and place, if any are inquired for. As many Kansas buyers will doubtless desire to attend this sale with its splendid opportunities, it is suggested that the most convenient way will be to take the C. B. & Q. or the Rock Island railroad to Oskaloosa, Ia., where a transfer may be made to the Iowa Central, which reaches Fremont. Parties going by way of Kansas City may take either the Rock Island or the Chicago, Milwaukee & St. Paul to Hedrick, Ia., where they will be met with free transportation to Fremont. Provision has been made against bad weather, and the sale will be held rain or shine. Kansas buyers should arrange if possible to arrive in Oskaloosa, Ia., over the Rock Island on November 9, so as to catch the early train for the Helzel farm, and have ample opportunity to inspect the offering before the sale opens. Remember the date and place is Nov. 10 at Fremont, Ia., and that you are invited. Mention the Kansas Farmer when writing.

The Expansion Poland China Sale.

Few people who know the big type of Poland China swine are unacquainted with the wonderful boar Expansion, which headed the H. C. Dawson's Sons herd and took so many premiums in the big fair of the last few years. This wonderful hog, which weighed approximately a thousand pounds in his show yard condition, has done much to make Endicott, Neb., famous, and H. C. Dawson's Sons will hold a sale at So. St. Joseph sale pavilion on Oct. 27. They have adhered closely to the Expansion line of breeding. Old Expansion is now dead, but his progeny represents him, and among them are to be found the champions of three state fairs. Colossus 129077 is the chief herd boar and a worthy representative of his great sire Expansion. Many of the best of the sows and gilts offered in the sale have been bred to him, and others to Grand Look and Expansion Bee, who are his brothers. At the State Wide Fair at Topeka one year ago a Kansas Farmer subscriber purchased an Expansion boar that was on exhibition here from Nebraska. This boar was needed to grade up and give size to a herd that was nicely bred in every respect, except that they lacked the blood which produces size. This purchaser reported the other day, that the work of this boar had been simply wonderful, and that five times the price paid for him would not purchase him if it were impossible to get others of the same blood line. Do not forget that this is the great opportunity to get the most famous blood of the big type Poland Chinas and that Wednesday, Oct. 27 is the time, and So. St. Joseph, Mo., the place. Write to H. C. Dawson's Sons, Endicott, Neb., for catalog.

Breeders Sale of Cattle.

On Nov. 9, 10, 11 and 12 will be sold 200 head of imported and native bred cattle of the different breeds, out of the best herds in Illinois, and of the best blood lines. Most every one has originated from imported dams and sires. Among the consignors are the following stock farms: Leemon Stock Farm with Polled Durhams of the very best types; D. Augustin with Shorthorns; E. F. Murray with Herefords; John C. Baker with Polled Durhams and Shorthorns of the very best blood lines and size to suit any one wanting good ones; F. A. Murray with Polled Durhams and Shorthorns of the size and quality of the best and the breeding is in the purple and no man has a better bunch; F. H. Jackson with Shorthorns of the good type; S. C. Van Horn with Aberdeen Angus; Geo. H. Smith with Polled Durhams that will suit the very best of the buyers as Mr. Smith always has nothing but the good ones and the breeding is of the best; J. W. Pope with Scotch Shorthorns of the right type of the beef breed; John Degroff with 55 head of Aberdeen Angus, all his imported herd bulls and cows, and his entire show herd with which he won all his prizes at the leading fairs. Here is one of the best bunches of Angus in the state, both in breeding and quality, and here is the place to get your show herd from and get you a herd bull from imported sires and dams; J. W. Otto with Shorthorns. We believe the above bunch of cattle to be as good a bunch as you will find in the state today. Almost every cow has a calf by her side and is rebred to imported bulls, so you can buy one and get three. Don't forget the date of this sale and please be present.

The Ninth Annual Sale of Whitewater Falls Percherons.

Everywhere throughout the corn belt, where good Percherons are known and admired, the name of Casino, the herd header of the Whitewater Falls Stock Farm, is a familiar one. Casino is the winner of forty first and sweepstakes prizes in France (Continued on page 27.)

14th PUBLIC SALE OF LAKEWOOD PERCHERONS AT SOUIX CITY, IOWA TUESDAY AND WEDNESDAY NOVEMBER 16 AND 17. 100 - HEAD - 100 40 Stallions and 60 Mares and Filleys

Sons and daughters of CALYPSO, the greatest sire of prize winning Percherons that ever lived. Several of the stallions are of the show yard quality, some of our State Fair winners included. Fifty high class young mares bred to the great CALYPSO and CARTILAGE, an International and State Fair winner, weighing 2,200.

It should not be forgotten that LAKEWOOD FARM has produced more prize winning Percherons than any other breeding establishment in the world.

If you need a stallion to head your stud, or want a pair of show mares, do not miss this sale. Catalogs on application.

**H. G. McMILLAN & SONS
PROPS.**

ROCK RAPIDS, IOWA.

CARTER'S THIRD SALE OF HIGH CLASS DUROCS NOVEMBER 8 AT CABOOL, MO.

These hogs are rightly bred, are rightly fed, and absolutely healthy.

1 sow by King of Cols. (Ohio Chief dam), 1 by King of Cols. (Col. Scott. dam), 1 by C. E.'s Col., 1 by Col's Improver, 1 by Col. Scott Again, 2 by Ohio Chief, 1 by Harding's Proud Advance, 1 by Belle's Chief, 1 by W. L. A.'s Choice Goods, 1 by Model Wonder, 1 by Masterpiece Chief, 1 by Valley Chief, 1 by Kelley's Pilot Wonder, and others of similar breeding. Some are bred to Col. Carter for winter litters.

Gilts and spring boars by Muncie Chief, King of Models, The King, Col. S., Col. Carter, Model Prince, Buddy K. IV, Buddy O. II, I Am Advance, Crimson Chief, Belle's Chief, Inventor and Crimson Wonder Again. Every animal in the sale is a "special." We all go from here to Sam Drybread's, Nov. 10.

Come down—everybody else is coming. Catalogs now ready.

Auctioneers—Fred Reppert, Jas. W. Sparks, W. T. Noblitt.

**C. L. CARTER,
Nov. 8 - CABOOL, MO. - Nov. 8**

**THE LARGEST AND BEST LINE OF
WELL DRILLING
MACHINERY** in America. We have been making it for over 20 years. Do not buy until you see our new illustrated Catalog No. 41. Send for it now. It is free.
Austin Manufacturing Co., Chicago

PEARL H. PAGETT SELLING DUROC JERSEYS

AT AUCTION

At farm 4 miles from Beloit, Kan., Wednesday, Oct. 27.

Sixty head of the best that will go through a sale ring in the west this season. Twenty fall yearling sows by Pearl's Golden Rule—10 by a son of Kant Be Beat. Three fall boars by Pearl's Golden Rule, 20 spring gilts and 15 spring boars and 2 tried sows. The dams of this entire offering are as good as money would buy and the breeding cannot be improved on. This offering is to be one of high class all the way through and nothing common will be offered. Breeders are invited to attend and every farmer who can possibly do so should be there. Catalogs ready October 15. I want to send you one. Address

PEARL H. PAGETT, - - Beloit, Kansas

Auctioneers: Col. John Brennen, Col. H. H. Vanamburg, Col. Frank Smith.
Send bids to J. W. Johnson of Kansas Farmer, at Beloit, Kan.

Mammoth Hadley

THE BEST SON OF BIG HADLEY

Sired most of the great boars and gilts that go into our

WEDNESDAY, OCTOBER 27, SALE

25 Big Husky
Boars Like
Their Sire.

**Sale at Farm, 8 miles west of Pawnee City,
6 miles north of Summerfield, Kan.**

20 Gilts as good
as can be found
in the state.

Carefully bred and fed, sired by Mammoth Hadley 52628 and Logan Prince 53097. They are out of big dams that carry the blood of the biggest sires of the breed, such as Prince You Tell, Chief Gold Dust, First Quality, Johnson's Chief, etc. The offering is all of March farrow and will weigh in moderate flesh sale day from 240 to 275 pounds. They have splendid quality and I am sure will please.

Breeders stop at any hotel in neighboring towns. Catalogs ready now. Send bids to Jesse Johnson, representing this paper.

L. W. Leonard, Auctioneer.

Geo. W. Smith, Pawnee City, Neb.



NINTH ANNUAL BREEDER'S SALE

200 CATTLE 200

BLOOMINGTON, ILL., Nov. 9, 10, 11, 12, '09 || **On Tuesday, Wednesday, Thursday and Friday
Nov. 9, 10, 11, 12, '09 we will sell**

200 imported Shorthorns, Polled Durhams, Aberdeen Angus, Galloways, Herefords, Holstein and Jersey bulls and cows.

55 head of Aberdeen Angus cattle that won at the leading fairs, among them a number of imported herd bulls and cows.

50 head Polled Durhams that are double standard of the very best blood lines from the best breeders in the state.

50 Scotch Shorthorns from the best breeders in the state.

50 Herefords, Galloways, Holsteins and Jerseys of the best blood lines from the best herds in the state.

These cattle are consigned by the very oldest breeders and importers in the states, out of the very best families and show herds that represent over 500 premiums to their credit. We don't claim to have all the prize winners, but we do claim that we will give you the real worth of your money. Why not come where you can pick from 200 head, where every one is for sale and will be sold for the high dollar, instead of going where there are only from 20 to 30 head for sale, and half of them are supposed to be kept for their own use, unless a fancy price is paid. These are the WIDE-AS-A-WAGON KIND and a number of them will weigh over 2,000 pounds.

CONSIGNORS—John Degroff, J. W. Otto, J. W. Pope, Geo. H. Smith, S. C. Vanhorn, F. H. Jackson, F. A. Murray, J. C. Baker, E. F. Murray, D. Augstin, Leemon Stock Farm, and many others.

TERMS—Cash. Next horse sale Feb. 1, 2, 3, 4, 1910.

BREEDERS SALE CO.,

C. W. HURT, Mgr.

CHAPMAN'S GREAT BIG POLAND CHINAS AT AUCTION

THURSDAY, NOVEMBER 4, '09

At farm five miles east of Pawnee City, Neb. A draft from the oldest and biggest boned herd in northeastern Nebraska. 20 boars, tops from my spring crop, and 25 females. A strictly first class offering sired by our great boar, Look's Grand 48384, the biggest boned boar in the state for his age. He is only 2 years old. The offering is out of matured sows such as Lady Johnson (93530), Long Maid (116587), Lady Look (99823), daughters of the noted big Hadley, King Do Do, etc. Our herd was established long ago and we have bred for the big kind ever since the herd was established. The offering is composed of strictly good things of the very largest sort. It is a very uniform bunch. Everything of very early farrow; there will be pigs weighing 250 pounds sale day. Every one will be accorded fair treatment and your presence will be appreciated. Send for catalog which gives complete information.

Entertainment at Exchange hotel. Free transportation to and from farm. Sale under cover.

H. S. CHAPMAN & SONS,

DuBois, Neb.

L. W. Leonard, Auctioneer.

Send bids to Jesse Johnson representing this paper.



Husking Made Easy

and profitable by using the RAMSEY IMPROVED HUSKER and THUMB COT. Adjustable, metal construction, nothing to wear out, fully guaranteed. Husker, 50c; Cot, 35c; or set, 75c postpaid direct from manufacturer. Remit by check, M. O. or coin.

NEBRASKA CORN HUSKER CO.
Dept. K. BEATRICE, NEB.

LEARN TO RUN AND REPAIR AUTOMOBILES

Demand for Trained Men far exceeds the supply. You can learn all in six weeks. Every man wanting to own an Automobile, become a chauffeur, expert repairer, agent or desiring to learn any branch of the Automobile business should take our practical course. Splendid opportunities for young men. Write today for our Free Catalog.

KANSAS CITY AUTOMOBILE SCHOOL,
2109 E. 15th St., Kansas City, Mo.

OREGON
FREE
Richly Illustrated Booklets from all points of Oregon, telling of FRUIT GROWING, FARMING, DAIRYING, and other opportunities. **ASK QUESTIONS** POSTLAND COMMERICAL CLUB PORTLAND, OREGON. Remember, you can buy tickets to other points in Oregon as cheap as Portland.

IS THE PLACE FOR YOU

LINCOLN BUSINESS COLLEGE
Established 25 years. 900 students last year. Wide awake, practical, thorough. Equipped for modern business life and to hold the highest salaries positions. Advantages unapproached elsewhere. No saloons in Lincoln. Write for free prospectus to LINCOLN BUSINESS COLLEGE, 31 North 15th St., Lincoln, Neb.

MISSOURI AUCTION SCHOOL.
Summer term opened August 2, 1909, with a large attendance.
Another Term opened August 30 or you can start in at any time during August and finish in September. The one tuition pays for both terms should you wish to put in the time. This is the largest school of the kind in the world and only one where students make bonafide sales. 80 pages catalog free. Carpenters Auctioneering & Mail course now ready.
W. B. CARPENTER, President,
Box K. F., Trenton, Missouri.

THE HAUSAM SCHOOL OFFERS THE MOST COMPREHENSIVE AND SCIENTIFIC COURSE IN
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OF ANY SCHOOL IN THE WORLD.

Beautiful Book, containing more than 70 fine specimens of Penwork, FREE to all who wish to improve their Penmanship. Address

THE HAUSAM SCHOOL,
Box 255 M, Hutchinson, Kan.

YOUNG MEN EARN PART TUITION before starting to school, if they wish. Our school is well established. Located in a clean, moral city. Hundreds of graduates filling good positions, which are furnished free. Write for proposition and Journal sent free. Address J. D. Byers, Pres., Chanute Business College, Chanute, Kan.

Learn Telegraphy

And earn from \$53.00 to \$165.00 per month. We have railroad wires giving actual experience. Owned and operated by the A. T. & S. F. Ry. Write for illustrated catalog. Desk F., SANTA FE TELEGRAPH SCHOOL, Topeka, Kansas.

FARMS IN VIRGINIA 10 \$ Per ACRE AND UP
Come to Sunny Virginia. You can buy fertile farms with timber, fruit and water for \$10 per acre and up. Splendid country for fruit growing, dairying, stock-raising and general farming. Fine climate, abundant water, convenient markets and good neighbors. Full information and valuable booklet upon request. Write for it.
F. H. LaBAUME, AGRICULTURAL & INDUSTRIAL AGENT,
NORFOLK & WESTERN RY., Dept. A L Roanoke, Va.

(Continued from page 25.)

and America, and first in class and reserve senior champion at the Louisiana Exposition in 1904. For years he has stood at the head of the Whitewater Falls Stock Farm, owned by J. C. Robinson, Towanda, Kan., and is today perhaps more famous than any other Percheron in America, with the possible exception of his great ancestor Brilliant 8d. There is a keen desire on the part of farmers and breeders to secure Percherons that were sired by this wonderful animal, and they always look forward to the annual sale made by Whitewater Falls Stock Farm, with this object in view. Heretofore, it has been the practice to hold these sales in Wichita, but this year Mr. Robinson has changed his plans in order to give his customers an opportunity to see his horses in their home surroundings. Sixty head will be offered in this sale, and this fact alone should be able to draw a great crowd to the new sale pavilion which has just been erected on Whitewater Falls Stock Farm. Arrangements have been made so that the Missouri Pacific Railroad will run a special train from Wichita to Towanda on sale day. Conveyances will be on hand to carry the buyers and visitors from Towanda to the farm. The special train will leave Wichita at 9:30 a. m., and arrive at 10:15. The return trip will be begun at 5:30 p. m. at Towanda, and end at Wichita at 6:15. Our readers are urged to look at the display advertisement of this sale on another page to remember the date, and make this an opportunity to visit the greatest breeding farm of Percheron horses in the west. Remember that there are twenty-one stallions and forty mares in the sale, besides others on the place which will not be offered.

Wm. Galloway's Clincher Proposition For 1910.

On pages 16 and 17 of this issue the readers of this paper are invited to read the large and important announcement of the Wm. Galloway Company, of their special proposition beginning right now for 1909-10 on which they are making a special price reduction of \$5.00 cash on the famous Galloway manure spreaders. This will save the farmers of America over \$150,000 in cash this year on their manure spreaders. Wm. Galloway announces that he is able to make this additional price reduction direct to the farmers of America because he has purchased and combined with his other Galloway factories at Waterloo, Ia., the well known Kemp Manure Spreader Factory conceded to be the largest manure spreader factory in the world and formerly owned by the International Harvester Company. This gives the Galloway Company Galloway proposes to make and sell to the farmers, giving every customer the benefit of a price reduction of \$5.00 each under his former prices. He can do this because of his tremendous capacity and the reductions in cost that he can make from buying his raw materials in larger quantities and making his machines at less expense because of the greatly increased capacity. He also makes a new and unprecedented offer of a standard Galloway Wagon Box Manure Spreader at \$42.30 F. O. B. Waterloo, Iowa. This spreader does not include the force feed or mud hook, or the prepaying of the freight. On his regular wagon box spreader, including force feed and all of the eleven distinct, separate, practical patents, besides paying the freight on his liberal selling plan, the price is now \$54.50 as compared with \$59.50 heretofore. This is a saving of \$5.00 each on his 30,000 a year capacity. Every reader of this paper is invited to write to Wm. Galloway personally for his big New Galloway Manure Spreader Catalog which is more fully illustrated in colors than ever before and explains everything including the prices of his special proposition. Be sure to say you are a reader of this publication and address Wm. Galloway, President, Wm. Galloway Co., 359 Galloway Station, Waterloo, Ia. Quick shipments are made now either direct from the factory to you or from branch factory stations in all leading trade centers from the Atlantic to the Pacific and from Canada to Mexico.

Kinloch Jersey Cattle Sell Well.
The annual Jersey cattle sale made at Kirksville, Mo., by the Kinloch Farm Oct. 14 was a very great success. 50 of the highest priced averaging nearly \$250 per head and the entire offering of 94 head many of which were little calves made an average of \$174. The top price paid was \$760 for No. 33 in catalog, Mon Plaiser's Dolly. She went to G. G. Council of Vandallia, Ill. Buyers were present from Illinois, Iowa, Pennsylvania, Kentucky, Ohio, Colorado and Kansas. S. S. Smith of Clay Center, Kan., buying eight head. Following is the list of sale at \$110 and up:

No.	Name	Price.
1	E. W. Severs, Oskaloosa, Ia.	\$150
2	H. C. Parker, St. Louis, Mo.	180
3	J. C. Elsner, Littleton, Colo.	175
4	S. L. Williams, Kirksville, Mo.	170
10	H. C. Parker	170
11	J. C. Elsner	140
12	Jesse R. Johnson, Clay Center, Kan.	125
13	J. T. Leffler, Calico, Mo.	195
14	J. C. Elsner	185
15	J. C. Elsner	115
16	C. A. Robinson, Kirksville, Mo.	285
17	Phil Hannum, Carthage, Mo.	230
18	L. F. Cotter, Edina, Mo.	500
19	J. C. Elsner	155
20	J. C. Elsner	155
21	E. S. Hackney, Union Town, Pa.	500
22	J. F. Middleton, Shelbyville, Ky.	180
23	G. G. Council, Vandallia, Ill.	410
24	A. O. Auten, Jerseyville, Ill.	395
25	G. G. Council	150
26	G. G. Council	680
27	T. S. Cooper, Coopersburg, Pa.	600
28	G. G. Council	630
30	J. C. Elsner	635
31	J. F. Leffler	520
32	Alex Jones, Abington, Ill.	280
33	G. G. Council	760
34	J. C. Elsner	290
35	Phil Hannum	300
36	C. S. Hart, Milan, Mo.	145
38	C. A. Robinson	125
39	J. L. Coffman, Urbana, Ohio.	335
42	J. M. England, Calico, Mo.	100
44	Conner Bros., Kirksville, Mo.	100
45	Dan McCarty, Hannibal, Mo.	105
49	Dan McCarty	100
57	Conner Bros.	150
58	A. O. Auten	200
62	D. W. Bouldin, Huntsville, Mo.	155

Mitchell County Breeders' Association

C. B. KERN, President. J. F. HOWARD, Secretary.
Nothing but first class animals offered for sale for breeding purposes.
MITCHELL COUNTY FAIR, SEPT. 28, 29, 30, Oct. 1, 1909.
E. C. LOGAN President. W. S. ABEL, Secretary.

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SHORTHORN CATTLE—50 head registered cattle. Herd headed by Royal Goods 298325, by Select Goods, by Choice Goods. Young bulls ready for service. For sale. MEALL BROS., Cawker City, Kan.

SCOTCH AND SCOTCH TOPPED Shorthorns. 40 head. Herd headed by Popular Knight, by Galant Knight. Some choice bull calves of fancy breeding for sale. JOHN STROH, Cawker City, Kan.

UPLAND HERD OF SHORTHORNS—Headed by Dreadnaught, by Day Dream's Pride (Imp.). Also Hampshire swine. Boars and gilts for sale. GEO. W. BE-MIS, Cawker City, Kan.

ELMVALE STOCK FARM, Shorthorn cattle and Percheron horses. For sale 7 yearling Select Goods heifers; also a few bulls of same age. Write for description and prices. FRANK P. COOKE, Beloit, Kan.

DUKE OF DUNDEE 285352, by Archer 205740, dam by Gallant Knight is at the head of my herd. 6 cows by Rose Duke and some by Scotchman. Inspection invited. CHAS. S. MCLEARY, Beloit, Kan.

LOCUST GROVE SHORTHORNS—Herd headed by the pure Scotch bull Golder's Model 287840. Three Scotch topped yearling bulls for sale. Also a few cows with calves at side. ELMER C. CREITZ, Beloit, Kan.

A YOUNG HERD OF up-to-date breeding. Everything recorded. Our herd bull Alfonso by Magnet has produced us some great calves this season. BRINEY & BRINEY, Beloit, Kan.

BOOKDELL STOCK FARM. Shorthorn cattle. Poland China hogs. Silver Laced Wyandottes.
E. E. BOOKER & SON, Beloit, Kan.

JENNINGS' SHORTHORNS—Some young bulls for sale by Senator by Hedgewood. Also a few got by Spartan Viscount. Prices right. 2 miles north of Simpson, Kan. S. G. JENNINGS, Simpson, Kan.

FOR SALE—A few young Shorthorn cows and some young bulls ready for service. Best of breeding. Write for information and prices. VINTON A. PLY-MAT, Barnard, Kan.

HEREFORD CATTLE.

A FEW HEREFORD bull calves got by Hobson 97721 and out of dams tracing through Lamplighter to Anxiety 4th, priced later. Berkshire boars, spring farrow, for sale. W. B. & J. M. RODGERS, Beloit, Kan.

50 HEREFORD CATTLE comprising the H. B. Woodbury herd. Some famous cows in this herd. 8 young bulls of serviceable age for sale. 4 miles from Tipton, Kan. 8 from Cawker City. JOHN SCHMITT & SONS, Tipton, Kan.

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ABERDEEN-ANGUS CATTLE—A young but fashionable bred herd. Some fine spring calves to price later. ROY C. BIRT, Beloit, Kan.

ANGUS CATTLE, the feed yard and show yard type. Young bulls for sale this winter. Inspection invited.
HARRY BAINES, Beloit, Kan.

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REGISTERED PERCHERONS—The home of Vidoque (Imp.) 40403, also the brood mare Risetie (Imp.) 51115. Inspection invited. Farm adjoins town. E. N. WOODBURY, Cawker City, Kansas.

REGISTERED PERCHERON HORSES—In stud; Imported Rabelais 42529 by Cosaque by Theodus, who sired Calipso and Casine. Visitors welcome. C. J. JOHNSON, Solomon Rapids, Kan.

THE HOME OF JACQUE W. 41639 by Tiatrey, dam Imported Risetie. Inspection of my Percherons invited.
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COLEDALE STOCK FARM—The home of three first prize winners at the International. Nothing but the best in this herd. Come and see us. FRANK A. COLE, Barnard, Kan.

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LAWNDALE STOCK FARM—Oldenburg German Coach horses. International prize winning stock. A tried stallion for sale. Inspection invited. JOSEPH WEAR & SONS, Barnard, Kan.

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EUREKA HERD POLANDS—Durocs. I breed both and have a nice lot of serviceable boars of both breeds for sale and a few choice gilts. Priced right. W. H. SALES, Simpson, Kan.

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DUROC JERSEYS.

GOLDEN RULE STOCK FARM—Gilt edged Duroc Jerseys. 40 spring pigs, both sexes for sale at private treaty. Farm adjoins town. LEON CARTER, Asherville, Kan.

ALFALFA STOCK FARM. The home of the best in Duroc Jerseys. Choice boars, fall sows, in fact, most anything you want.
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HAMPSHIRE HOGS. 40 spring pigs, both sexes, for sale. Write for prices.
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74 Henry Cook, Downing, Mo. 110
65 A. O. Auten 175
68 J. L. Bicker, Niota, Ill. 105
76 J. A. Quintal, Kirksville, Mo. 145
83 H. Watson, Kirksville, Mo. 135
84 W. B. Curry, Kirksville, Mo. 100
92 Dan McCarty 155
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Will say that by the aid of Kansas Farmer, I disposed of lots of stock and eggs the past season, and expect to advertise again through its columns.—Henry L. Bruner, Breeder of Silver Laced Wyandottes, Newton, Kan.

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160 acres, 1/2 mile from good town, close to church and school on R. F. D. Telephone service. Fine alfalfa land, good water. Price \$50.00 per acre. One-half cash, balance time. Write or call on **J. W. KNORP**, El Reno, Okla.

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160 acres, 4 miles from Medford, county seat, 100 acres in cultivation, 15 acres alfalfa, balance pasture. Telephone, mail service, 6 room house, large barn, chicken house, cattle sheds, large pond in pasture, small orchard, well, windmill, all drains well, fenced with hog wire; also hog wire around pasture. Price \$6,500. Terms if desired.
BATTEN REALTY CO., Medford, Oklahoma.

160 ACRES, \$40 PER ACRE.
160 acres, 5 1/2 miles from railroad town, level prairie land, 120 acres in cultivation, good 6-room house, barn, well, windmill, orchard, on R. F. D. Telephone service, near school and church, all tillable. Sandy loam soil. Price \$6,400. Terms. Write or call on **JENKINS & MAJOR**, Chickasha, Okla.

GO TO OKLAHOMA.
If you want information about corn and alfalfa lands in Grant county, Oklahoma, write for Bulletin No. 6, which is just published and will give you all the correct information that you wish about the country. Its free. Write **J. A. AIKINS & CO.**, Medford, Oklahoma.

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FOR SALE—160 acres valley land, 10 miles southwest of Vinita, Okla. This land is level, smooth, bottom land, and will grow any thing. It is located just a few miles from the Chelsea oil fields, and it is only a matter of time, when the land will be developed. Price \$40.00 per acre. **Mullen & Breker**, Room 15, Turner Bldg., Wichita, Kansas.

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We own and control over 50,000 acres of choice farm lands in Eastern Oklahoma, the garden spot of the new state, that will produce successfully corn, wheat, oats, timothy, clover and alfalfa. Low prices, easy payments. Perfect titles. Few farms for trade. Agents wanted. Write **COMMONWEALTH LAND CO.**, Vinita, Oklahoma. Branches Offices, Pryor Creek and Nowata, Oklahoma.

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with 310 acres of the very best land for stock and grain farm in Craig county, near Vinita, Oklahoma. 160 acres in cultivation; balance hay and pasture. Price \$25.00 per acre. For further particulars, write **LEFORCE & BADGETT**, Vinita, Oklahoma.

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160 acres adjoining town, all in cultivation, good house barn, granary, good orchard of all kinds of fruit, fenced and cross fenced. This is one of our best bargains, and if you are interested do not delay. (First comes first served.)
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110 acres fine river bottom. All in cultivation. A few nice pecan trees, no gumbo, sandy loam. Produce 60 bushels of corn to the acre. Finest alfalfa land; barn, but no house. Incumbrance \$2,000; long time if sold quick. Price \$50.00 per acre. Write **GUARANTEE LAND & LOAN CO.**, Wynnewood, Okla.

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160 acres, one mile of town, 50 acres alfalfa, choice farming land, highly improved. Price for 30 days only, \$17,500. Write me for anything you want in central Kansas. **W. W. BARRETT**, Sterling, Kan.

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200 acres adjoining Horton, one of the best locations in Eastern Kansas. \$30 per acre. This is a real bargain. Write for complete description.
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80 acre farm, 1 1/2 miles of Fall River, good 3 room house, good well, stable and orchard, all good land, close to school, on phone line and rural route. Price \$3,200. 160 acres, 2 miles from Fall River, good 5 room house, barn, corn crib and hen house, 75 acres in cultivation, 20 acres mow land, balance pasture and timber. Price \$3,500.
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160 acres about 1/2 in cultivation, and 1/2 in native grass; small improvements; 3 1/2 miles from one town, 4 to another; price \$35 per acre; \$1,000 cash; balance at 6 per cent.
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160 acre farm, 65 acres in cultivation, 60 acres prairie grass, 35 acres pasture, good 3 room plastered house, large new frame barn with basement. Well fenced, good water, on R. F. D. Price \$35.00 per acre. We will carry two thirds of the load, long time at 6 per cent. Write **THE CONQUEROR TRUST CO.**, Joplin, Missouri.

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56 acres, 2 small houses, barn, chicken house, etc. 80 acres broke, most of which is creek bottom, some alfalfa, some timber, balance fine pasture land. Price \$18.00 per acre.
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160 acres, 5 miles from a good town, well improved, 120 acres under cultivation, all bottom land with a black sandy loam, and a bargain at \$11,000.
680 acres, 6 miles from a good town. Price \$25,000.00. 960 in Hodgeman county, Kansas. Price \$10.00 per acre. Address me at 18 1/2 North Main St.
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320 acres, 10 miles from Ness City, 100 acres in cultivation, 4 room frame house, barn, well and wind mill, some good alfalfa land, place is all fenced, land lays good, and in good locality. Price \$16.00 per acre. \$2,000 cash, three to five years time on balance.
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240 acres smooth prairie land, 5 miles from Dodge City; price \$18 per acre. 160 acres near Perry, Jefferson county, Kansas, partly improved, price only \$40 per acre. For information write **HALE & ENGLISH**, Dodge City, Kansas.

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Good 80, \$27.50. Farm of 215 a. \$32.50. 130 a., partly bottom, \$35. Fine 445 a., grain, stock and alfalfa, \$37.50. Moderate cash payment only required. Send for descriptions and list of others.
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A CHOICE FARM.
290 acres, 3 miles from R. R. station, good little town; 7 miles from Winfield, county seat; all first class land; all will grow alfalfa, some now set; 240 acres in cultivation, 30 fenced hog tight; corn will make 40 to 60 bushels this year; all kinds of fruit; fine 8-room house, barn, cribs and other outbuildings, farrowing pens for 12 brood sows. The owner is anxious to sell and the price is \$65 per acre. The farm will carry a \$10,000 to \$12,000 mortgage if desired.
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KANSAS LAND

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80 acres level wheat land, balance pasture. A few acres alfalfa land, at \$1000 on one fifth cash, balance 4 equal payments. Write for list.
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160 acres well improved. 100 acres in cultivation, 30 acres pasture, balance meadow and timber, 1/2 mile from school on R. F. D., two good wells, creek runs on land. Price \$50 per acre. Write the owner.
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80 acres, smooth land, sandy loam, miles from Wichita. All in cultivation, house, barn and orchard, shallow to good water. Price \$75.00 per acre. This is below our farm prices.
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75 of the best farms in the county for sale. Buy a home in the best county in the best state. I have them all sizes and prices. Write me your wants; I can please you. Here is a sample. Fine improved 150 acres, \$9,200.
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Watch Cheyenne County Land Raise Rapidly in Value.
Two fine single quarters, as smooth as the floor. Raw land, 7 miles from two railroad stations, nothing better. For quick action at \$12.50 per acre. Address the owner and save paying commissions.
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FOR SALE OR TRADE—for stock of merchandise. 80 acres, all under cultivation, 60 acres ready for wheat. Fenced but no other improvements. Price \$2,500. Also 6 room residence, good frame barn 30x14 with loft; 1/2 block in fine fruit trees, one half bearing; four blocks from postoffice. Price \$3,000. Address owners, J. C. Lohmeyer & Son, Ness City, Kansas.