

THE FARM.

SUGAR BEET CULTIVATION. The following letter in relation to the growth of sugar beets was written by Prof. J. H. Connell of the Texas agricultural experiment station in response to an inquiry from Dr. W. A. Saylor of Louise, Tex.:

Replying to your favor of July 7, I must say that you have picked out the sugar beet here the present season, but lost the entire crop because of the unusually severe rains of the past two months. We will repeat this plan next spring, and give you some of the most prominent facts connected with the growth and use of this important crop.

Beta vulgaris is the true name of this common beet. The ordinary garden varieties have been so improved by cultivation and selection that the present sugar beet has been produced showing a total sugar content of from 10 to 18 per cent. in the fresh beet. This is artificial, however, and the constant tendency is to revert to a beet having less sugar content. It is much more difficult to get the sugar beet to keep up to its present high standard.

To hold this sugar content the best beets of each crop are selected and sown in a silo, and when ready for planting a chemical analysis is made of the sugar content of all the samples and only those showing the highest content are planted the second season to produce seed. None are planted showing less than 10 per cent. sugar. Nearly all the sugar beets sown in this country are imported from Germany. This crop is suited to light sandy alluvial soils that must be well drained. Lands must be prepared thoroughly by subsoiling to a depth of eighteen inches in depth, and a very fine seed bed prepared; often highly manured. Though if coarse manure is used it is applied in the fall, and not in the spring. Usually the beet follows small grain, and it is followed by clover, or in the South we would advise peas, corn and then small grain again. This is a four-year rotation.

The cultivation of the beet is intensive and consists in some hand hoeing and a great deal of cultivation with small plows during the growing season. Fifteen to twenty-five pounds of beet seed are sown. If sown in the drill by a machine it will require more than is sown with the hand; sown in rows three or four feet apart, and at a depth of one-half inch in wet weather and three inches in dry weather. No weeds are allowed to come up on the land to encourage the beet.

The rainfall not greater than six inches is wanted upon the beet after it begins to grow well. Too much rain decreases the sugar content, two inches being the minimum desired. When the beets are matured they are harvested by loosening each root in the soil. Then it is either hand dug or machine dug, usually getting one beet every six inches in the drill. These beets are the United States usually weigh one pound, or slightly less, each. In foreign countries the beet will weigh about two pounds, and in fact the beets are thrown in small piles in the field and allowed to cure slightly with the tops on and then the top is cut off without touching the beet at all. The beets are not cut very close to the factory, or delivered to cars for shipment to the factory, where they are worked up at once. Sugar content in beets decreases when they are stored, fully 2 per cent. during the winter being lost. The yield to be expected from an acre of good beets is from five to eight or eighteen pounds. They sell at the factory readily at \$4 per ton. The cost of seed, cultivation and harvesting the beet crop in the United States ranges from \$30 to \$50 per acre. When the above yield can be had containing an average amount of sugar, sugar beet culture is profitable in the United States. Like corn, the beet is a winter culture, skill in handling, and also requires a large amount of manure. Beets grow best after grass of some kind or small grain must be used in rotation. It requires intelligence on the part of the farmer to use the beet seed. At present we are forced to import our seed because no one in this country is producing the beet seed in quantity. The production of seed to sell would be a profitable crop. As much as \$75 worth of seed per acre can be produced with but little labor on the acre than the production of beets.

Experiments have been conducted in both of these lines, for the production of sugar and seed, by the department of agriculture in the States of Kansas, Texas and Oklahoma. The greatest amount of sugar beet now produced in the United States comes from California. According to reports from the department of agriculture, the seed contents of beets grown in Arkansas, Tennessee and Alabama not running above 9 per cent. This is one of the untried crops in the South. Sugar pulp is used largely as a stock food in all countries where beet sugar is manufactured, it being placed in silos for that purpose and fed to beef cattle during the winter. Germany is now the greatest beet sugar producing country of the world, with Australia and South Africa fast developing this crop. Yours truly, J. H. CONNELL, Director of Texas Experiment Stations.

PASTURING SORGHUM. While I raised sorghum in Iowa for twenty-six years I did not think of it as a pasture, nor of raising it for stock, though there was always the leaves and generally the seed heads left on the ground, and horses and cattle were turned into the area to eat these. But as it was usually cut near frost time there was but little second growth and so really no pasture, for perhaps it was never accessible to stock until after frost, so no further growth.

Perhaps your Northern readers do not know of the second growth. As grown here for feed, planted perhaps in March or April, it is ready to cut in July, and a second growth starts from the roots or stubs and makes another crop, and if there are but light frosts in October, considerable further growth before freezing in December. Sometimes it is sown a bushel or more per acre for hay, producing two crops, and then used for pasture. Other times planted and raised as corn for one and two cuttings. It is often planted or sown after harvest for one crop only, and again it is sown early and used as a pasture all season. In this and other ways it is a standard crop in the Southwest. Besides the well-known sorghum, generally called cane in the North, there are the other sorghums known as Kaffir corn, millet, Jerusalem corn, African millet and various other kinds which are raised both for forage and grain.

Now, thousands of cattle and horses are fed or pastured on this sorghum every year, and it is seldom that there are any ill effects. But occasionally, as with green clover, there are fatalities. I will not attempt any theories, for I never was a theorist, but I have read theories as to this sorghum danger until I am tired of it, and I shall certainly offer no new one.

There were some absurd on their face though put out by intelligent men, but they certainly knew nothing of its nature. Others seemed plausible at first until disproved by indisputable facts. So we leave this for others to solve.

Now, as sorghum culture is widening and lengthening, I will briefly give the facts and conclusions as seen warranted: Thousands of cattle eat it at all stages without ill effects, but there is, perhaps, one in a thousand that is affected, and generally dies. There were but few cases reported until last year. Every year, with the conditions—dry weather, dry ground and scarcity of water, and the conclusion is not hard to reach that it would be a dangerous time for cattle to go to a field of green, stunted, few mouthfuls are seemingly as dangerous as a full feed.

If removed on first symptoms an occasional one recovers. If not affected at first they pasture right along afterward without any serious results, but if they are kept out for a time there would be the same danger as at first. They have been cured by giving a teaspoonful of aconite in a pint of water, by drenching with two pints of lard, and by making an incision with a knife into the stomach or rumen, letting the gas escape, as it acts much like colic in horses, or bloating in cattle; it is probable any remedy for these would be effective. But prevention is best, so be sure that there is no prospect of your cattle getting into the sorghum field until you are ready to turn them in.

A few days before this give them, after they have had water, salt and other feed, a feed of sorghum that has been cut and cured for a day. Do the same the day you turn them in and give them attention for a short time, and if any ill effects are seen use some remedy at once.

It is only in exceptional cases that there is any danger. In fact, the conditions might be favorable for the conception being yours, and it is best to be on the safe side.

I have had large correspondence all over the West and South, and gleaned all information that I could from the past year, and give this as a summary without entering into full details.—M. Rice, Winview, Okla., in Rural Northwest.

ABILENE COUNTRY CROPS.

Reports from the state show that Texas will raise the biggest crop of any kinds of forage crops this year that have ever been harvested in the state. But especially is this true in reference to Taylor county, and in fact the whole Abilene country. While in many localities, notably the black land sections, the excessive June and July rains have caused more or less damage to growing crops, especially cotton, the crops in this section have thus far sustained no damage whatever from too much rain. On the contrary, the crops are in the best of prospects, and all other forage crops are simply unprecedented, as to both quality and excellence, in the history of this section. The fruit and vegetable crops, also, are perhaps the best and most bountiful ever raised in this locality, and the only crops that were a partial failure, owing to the spring drought, are the wheat and oat crops. The wheat crop, however, was no serious loss, as owing to the prevailing low price of that cereal last fall there was but little sown in this and the surrounding counties, and in fact the oat crop, reports from all parts of the county are to the effect that all the old oat fields, no matter whether they have been cut or not, are now teeming with luxuriant volunteer crops equal to the best ordinarily obtained from regularly sown fields.—Do not do sixty bushels to the acre.

The thorough and continuous fertilization of the ground for the past month or more is the cause of this rather unusual phenomenon, by which happily the partial loss of the first crop will be amply compensated for by this volunteer second crop.

Thus, upon the whole, this year's crop season in the Abilene country, in every respect as could be desired, and as possibly can be or ever has been elsewhere in the most favored agricultural regions anywhere in this or any other country. What an object lesson a visit to this country would present to new home-seekers from the desolate West, if they could be induced to make the trip. Truly, the Abilene country, to use a popular expression, is decidedly in the swim, and the Brazos or San Pedro river swim either; but one of immense crop, good health and material prosperity unprecedented in the history of the country.—Abilene Reporter.

SAVING ALFALFA HAY.

A correspondent writes from a point in Washington stating that the cultivation of alfalfa has recently been undertaken there upon quite an extensive scale and that it promises to be a considerable difficulty is met in curing and handling the hay so that the leaves do not drop off while loading or unloading, leaving nothing but the woody stalks to go to the stack. This is a difficulty with which all beginners in alfalfa growing have had to contend, and it is urged the only objection that can be urged against the cultivation of alfalfa.

But a little care will obviate this difficulty and enable the farmer to handle alfalfa in the best manner. The first place, alfalfa should be cut as soon as it is well in blossom. Do not wait for all the stalks to be in full bloom, but as soon as the flowers are generally open put the mower to work. If there is any delay in this the stalk will become so hard and tough that stock will not touch them, while, when cut at exactly the proper stage, there will be no waste, but every particle of the hay will be greedily consumed. If the weather be very warm the hay should not be allowed to lie more than two or three hours after cutting, before it is raked into windrows, and by nightfall of the same day it should all be in the cock.

It is a mistake to become dry before raking. Rather should this be done immediately after it is well wilted and before much drying has been done. As the hay will dry a great deal after being cocked up, in warm climates there need be almost no fear of raking too quickly. If the field is not too large, it will be found that morning in the best time to haul the hay or stack it. At midday it becomes very dry and brittle, and larger quantities of the leaves will be lost. More or less dropping of leaves cannot be prevented, but if the raking is done quickly after cutting and the hay is soon stacked the loss will be reduced to a minimum.—Field and Farm.

ADVICE TO FARMERS.

Mr. A. Schultz of St. Louis, who is much interested in the South, especially in the growing and handling of cotton, was in Waco recently, and in an interview with a Dallas News reporter said: "Farmers are always in too much of a hurry to get their cotton ginned and sell it in the bale. There is no doubt that bringing so much into sight in a short time, unfavorably affects the market quotations. If they would hold it back—

that it would be marketed by degrees, there would be no such pressure at the ports. Besides, cotton ought to be kept after it is picked, and stored in the seed, in the old way it was taken to the field and packed in ricks. This takes more time and trouble, but the farmer gets the benefit of it in an improvement of his cotton, as in cotton thus stored the heat passes through it, together with some of the evaporated oil from the seed, and it makes a better sample, classes higher and brings more after it is ginned and placed on the market. It needs no argument also to show the advantage to the farmer of selling his cotton in the seed, prices being equal. During the busy season his time is saved instead of waiting at the gin for his turn, and perhaps spending another day in selling in the market place, he can sell it right out of the wagon and save both time and money. I remember in the old country, and the same is true of certain parts of this country at the present time, when the farmer took his rick to the gin, he would have to bring back his own flour. The millers found that it was not only troublesome, but expensive so they resolved to mix the flour with the cotton seed, and make a continuous run. At first objections were raised, but both sides soon saw the advantage of the arrangement, and now the farmer sells his grain and buys his flour instead of paying toll for grinding. The flour being mixed carefully is better, and the cost of milling is reduced.

It is in a better position than the older states to take advantage of new ideas. In fact the conditions on the two sides of the river are so different one from the other, though Texas was a foreign country. In Alabama, Mississippi, Tennessee and the Carolinas gins are still run by mule and water, and in fact the cotton is badly ginned, poorly packed, and the small planters don't get within 20 per cent of the value of the cotton. The large planters and renters are obliged to take the cotton to the plantation gin, owned or run by the land owners. Such a state of things would not be tolerated in Texas in the kind of a crop in Texas under the present favorable weather conditions."

CONDITION OF TEXAS CROPS. United States Department of Agriculture, Weather Bureau—Weather crop bulletin for the week ending 5 p. m., July 22. The correspondents, with few exceptions, believe that the dry weather during the greater portion of the past week has been beneficial to the cotton crop and has improved prospects, to some extent, although in a few localities over the western portion of the state the drought is causing the plant to shed its leaves. In the great majority of cases, however, the crop is in very good condition, but is two or three weeks late. A full report will be given on cotton in next week's bulletin.

The corn crop is considered excellent, but more rain would be beneficial to late planting. The wheat crop is about all threshed. The grain was injured considerably while in the shock in some localities, and some is considered not fit for marketing. The hay crop has been saved during the week and the forage crops are good. The rain at the close of the week was very beneficial to vegetables, as the soil is now very moist, and much, especially over the coast district. Sorghum, sugar cane and other crops are doing very well.

FARM NOTES. The New York experiment station has been making some practical tests with cows as to the amount of water they drank. It was found that during lactation, or the milk-giving period, the cow drinks from five to seven gallons of water a day. The slow and steady horse the cultivator is to be preferred to the one that is quick and nervous. When cultivating between rows it will pay to take time and do the work well, rather than to allow a single weed to escape.

Wood ashes make the best fertilizer for common clover. Although this clover thrives on land that is milled, it will not flourish until the fertility remains, yet it needs plant food and gives the best results when manure or ashes (or both) are applied. Two specialties upon the farm fit well in each other—dairying and market gardening. The manure from well-fed cattle can be used in a better way than by applying it to a vegetable garden, and in time much may be utilized from the garden to supplement the feeding of the cows.

The best time to cut any grain or hay is just when the seed is about to form. Cutting should never be deferred until seeds are dry, as the plant will be cut without loss of the crop is short, and that is millet. It is seldom that millet fails, and it yields a large supply on rich land. Being a summer crop, it grows rapidly and detroys weeds by crowding them and keeping the land shaded. Many fires are started by the burning of brush heaps, and much valuable property is thereby destroyed simply because there is a lack of judgment in burning brush. On windy days or when the breeze is in the direction of any other inflammable material, brush should never be burned. Then again, such work is often entrusted to a careless boy instead of to some experienced person.

Sheep in order to save much of the material grown that would be wasted. Sheep will eat a great many plants which cattle reject, and they graze on the very finest and best subjects so connected with some and home life that they are ever interesting to all lovers of domestic affairs. Again in all ages the rich and learned have found in the most pleasure in such pursuits.

The development of Texas horticulture has been progressive. At first it was thought that Texas would never be a fruit and vegetable state as market crops. Now such products sell for about \$10,000,000 annually. Now I want to say that there has never been an improvement made, a method discovered or a benefit obtained in this industry in Texas but what can be traced to members of this society. The fact that the railroads have made the lowest rates to this meeting ever given to an industrial convention will testify to the estimation they place on the same.

The meeting will open July 31 and continue until August 2. The low rate tickets will be on sale in South Texas July 29 and 30 and in North Texas the 30th.

The good people of Bowie are preparing a grand entertainment for all who attend. A cordial welcome awaits all. A good orchard was had by any one in Texas. A good orchard gives pleasure and health to our families and friends. A good orchard adds at least \$5 per acre to the value of a farm. You can never have a good orchard until you give some of your time studying fruit growing. Now is the time to study the subject.

SAVE THE BIRDS. The laws of Texas on October 1 of each year say to the valiant Nimrod who roams the country, "Now you are at liberty to take up the customary whinny—slaughter of quail, doves, larks, chickens and the feathered tribe generally; and to the most pernicious tastes they go forth to the so-called sports, destroying the best friends of our most important industry, farming and fruit growing, thereby inflicting serious loss of products, which means that much taken from the wealth of our country. To the intelligent citizen, he is agriculturist, though he be a hunter, or mortifying this senseless and barbarous practice. Every farmer and land owner should prohibit it, and if necessary prosecute all such trespassers on his grounds.

The birds devour myriads of destructive insects that feed upon our crops, rescuing them in great measure, although we need it not, but thousands of dollars into the pockets of producers.

By the efforts of public-spirited citizens and the aid of state appropriations, and also by the exertions of individual cultivators, it is proven beyond a doubt that birds do a great deal more good than harm. Only a few birds, notably the English sparrow and the ricebird or bobolink, and a very few others, are enemies to agriculture, but, on the contrary, while light fowls, such as chickens, geese, turkeys, ducks, and other domestic fowls, and fruit or other cultivated crops, yet this is an insignificant loss compared with the great saving to the crops, by their eating the cutworms, plant locs, caterpillars, ear borers and innumerable insects unknown to most of us, which if not thus held in check would greatly reduce the present product of our country.

It turns out that many birds and animals considered pests are benefactors when shown up in their true light. For instance, in 1885 Pennsylvania passed the "scalp act," giving a bounty of 50 cents and notary fee of 20 cents more for each of the scalps of minnows, muskies, basses, and other fish, and in 1885 Pennsylvania passed the "scalp act," giving a bounty of 50 cents and notary fee of 20 cents more for each of the scalps of minnows, muskies, basses, and other fish, and in 1885 Pennsylvania passed the "scalp act," giving a bounty of 50 cents and notary fee of 20 cents more for each of the scalps of minnows, muskies, basses, and other fish.

IRRIGATION.

SMALL RESERVOIRS.

C. C. Hutchinson writes to the Irrigation Age concerning Kansas experience, and states that it is becoming known that reservoirs are needed to furnish sufficient head to carry an irrigating stream where it is needed, and to warm water in the sun before applying to growing crops. Few of these reservoirs are built with sufficient care to make them tight. The top soil should be removed to a depth of six or eight inches, entirely outside the foundations of the banks. Then plow and harrow the banks are to stand, and harrow the same, pump water into it and puddle by plows or scrapers; or, better yet, by tramping the surface. Now scrape inside of this ring and commence the banks, wetting the same as you build up. When the banks are high enough, plow and harrow the bottom of the reservoir, and after wetting it a foot or more in depth thoroughly, puddle it by tramping of stock. If the soil is sandy, haul clay and spread it in the trough through wire mesh, and use a steam pump, stirring the clay with a rake that it may be worked into the sandy soil on the bottom. If the reservoir is made of clay soil in a long trough, carrying the pump water into different portions of the reservoir, and these fine particles of clay will be carried by the leaks and percolations in the bottom or sides of the reservoir and finally make it as tight as a jug. For fish breeding, the water standing below the surface of natural vegetation, and breeding black bass, perch, croppie etc., is profitable and agreeable.

Of course, if you have a naturally good soil, do not go through it into sand. Bore down with an auger and find out.

CAUTION TO AMATEUR IRRIGATORS.

In arid regions irrigation is the rage, and many associations are being formed. Many have already begun the work on a small scale. This is all right and proper, but there is a great danger in the great danger of overestimating the water supply, especially when from an underflow. The quantity varies at different seasons, and is a great deal less when needed. The same is true in running water. The supply may be ample and the power to utilize it insufficient. Some make the mistake of supposing that the water power is unlimited. A wheel will pump enough water to irrigate several acres, when in fact it would hardly irrigate one acre if the wind were to blow.

Again, some are depending on a hole in the ground as a reservoir to supply water when the wind does not blow. This will absorb much water and waste the same amount of power. Then, too, the theory that a pump will lift so much water at a stroke and make so many strokes in a minute, will often prove delusive in the practice. The amount of power required to lift a given quantity of water will depend on the depth of the well, the size of the wheel, the size of the pump, etc., and is a matter of calculation. Then, all at all, it is too expensive. The same is true in sub-irrigation. The quantity of water required to irrigate a given acre is a matter of calculation, and is generally supposed. The atmosphere in this climate is so dry that evaporation is very rapid in hot weather, and the quantity of water needed to keep the soil moist enough to produce the best results is very great. There is danger of spending the water over too large a tract, as it must seep through the country, reach the roots, and not be introduced into the stalks.

A sandy loam will be found a much better soil for irrigation purposes than a heavy clay or gumbo, which will bake, become lumpy, and require much cultivation. As to profits, too much must not be expected. Windmills will be limited to a certain extent chiefly to vegetables, which are consumed mostly at home for want of other market. Hence no great direct profit can be expected. The water will not be wise to go into debt for irrigation apparatus with the expectation that the plant will soon pay for itself, or realize a great profit on the investment. Irrigation within certain limits is advisable, and based upon the following principles is recommended:

1. Be sure of your water supply. 2. Estimate well the kind and cost of power to utilize it. 3. Don't undertake to irrigate too much. 4. Choose the best available soil. 5. Don't invest too heavily to begin with. 6. Be sure you have the means to invest.

These suggestions are given not to discourage irrigation, but to encourage an intelligent effort that will not be disappointing.—J. K. Eckman, Kansas.

ORCHARD AND GARDEN.

STATE HORTICULTURAL MEETING.

Mr. E. L. Huffman, the efficient secretary of the Texas Horticultural society, was interviewed by a Dallas News reporter Saturday, and in answer to questions said: "The outlook for the coming meeting of the Texas Horticultural society is the best in the history of that organization. The good people of Bowie are working like bees, and the railroads have made extra low rates. Remember that now is in the center of one of the finest fruit belts in the South, and horticulture has long since been developed into an industry up there. The apple orchards up there are simply remarkable. All kinds of fruits and vegetables do well, and the display will be both large and select. Premiums are offered for most everything, and one can compete for these premiums."

"Here is where the very best lessons in fruit growing in Texas are learned. These men came from all over the state with displays, ideas and facts. It is a place where the most valuable information to be had is annually collected and distributed. The concentration at these meetings of the leading men of the state engaged in horticulture work and their discussions and displays offer an opportunity that no one can afford to miss. Every one who has a home should attend these meetings, as it is here the home has continuous consideration. Fruits, flowers and vegetables, how to grow them and the very finest and best subjects so connected with home and home life that they are ever interesting to all lovers of domestic affairs. Again in all ages the rich and learned have found in the most pleasure in such pursuits."

THRESHING SORGHUM SEED.

Cottulla, July 17, 1895. Editor Journal: Can you or any of your subscribers tell me the best method of threshing sorghum seed, or the best hand machine for threshing it, and where to get one. Will a broom corn cylinder reaper answer the purpose? In this part of the state there is no wheat to be raised, consequently there are no threshers in use. For any information I will be greatly obliged. Good luck to the Journal, may it live always. Respectfully, T. C. NYE.

If Journal readers have the information asked for above, they will please communicate their knowledge through these columns. A broom corn cylinder reaper should do the work in first-class shape.—(E.)

THE OLD RELIABLE.

The stockmen of Texas when in Fort Worth should not forget the old reliable Mansion hotel, which for so many years has been their headquarters. The Mansion does not go so much on style, but for solid comfort and good home cooking it cannot be surpassed.

Subscribers to Texas Stock and Farm Journal who do not receive their papers regularly are requested to notify this office.

SWINE.

CHUFAS.

We have heard this indigenous plant commended in the very highest manner by those who have tried it for hog and cow feed. It is a kind of potato which springs up all over this country, wherever land is flooded and not planted to other crops. In driving west Judge Walthall's farm and orchard adjoining Pecos, this week we noticed that the vacant land his trees and vines full of chufas. B. C. Carr and T. Sweet, whose farms lie under the Grand Falls canal, claim that chufas are most prolific in production and that the potatoes for hogs and tops for cows cannot be excelled.

"The good people of Bowie are preparing a grand entertainment for all who attend. A cordial welcome awaits all. A good orchard was had by any one in Texas. A good orchard gives pleasure and health to our families and friends. A good orchard adds at least \$5 per acre to the value of a farm. You can never have a good orchard until you give some of your time studying fruit growing. Now is the time to study the subject."

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STATE HORTICULTURAL MEETING.

Mr. E. L. Huffman, the efficient secretary of the Texas Horticultural society, was interviewed by a Dallas News reporter Saturday, and in answer to questions said: "The outlook for the coming meeting of the Texas Horticultural society is the best in the history of that organization. The good people of Bowie are working like bees, and the railroads have made extra low rates. Remember that now is in the center of one of the finest fruit belts in the South, and horticulture has long since been developed into an industry up there. The apple orchards up there are simply remarkable. All kinds of fruits and vegetables do well, and the display will be both large and select. Premiums are offered for most everything, and one can compete for these premiums."

"Here is where the very best lessons in fruit growing in Texas are learned. These men came from all over the state with displays, ideas and facts. It is a place where the most valuable information to be had is annually collected and distributed. The concentration at these meetings of the leading men of the state engaged in horticulture work and their discussions and displays offer an opportunity that no one can afford to miss. Every one who has a home should attend these meetings, as it is here the home has continuous consideration. Fruits, flowers and vegetables, how to grow them and the very finest and best subjects so connected with home and home life that they are ever interesting to all lovers of domestic affairs. Again in all ages the rich and learned have found in the most pleasure in such pursuits."

THRESHING SORGHUM SEED.

Cottulla, July 17, 1895. Editor Journal: Can you or any of your subscribers tell me the best method of threshing sorghum seed, or the best hand machine for threshing it, and where to get one. Will a broom corn cylinder reaper answer the purpose? In this part of the state there is no wheat to be raised, consequently there are no threshers in use. For any information I will be greatly obliged. Good luck to the Journal, may it live always. Respectfully, T. C. NYE.

If Journal readers have the information asked for above, they will please communicate their knowledge through these columns. A broom corn cylinder reaper should do the work in first-class shape.—(E.)

SWINE.

CHUFAS.

We have heard this indigenous plant commended in the very highest manner by those who have tried it for hog and cow feed. It is a kind of potato which springs up all over this country, wherever land is flooded and not planted to other crops. In driving west Judge Walthall's farm and orchard adjoining Pecos, this week we noticed that the vacant land his trees and vines full of chufas. B. C. Carr and T. Sweet, whose farms lie under the Grand Falls canal, claim that chufas are most prolific in production and that the potatoes for hogs and tops for cows cannot be excelled.

"The good people of Bowie are preparing a grand entertainment for all who attend. A cordial welcome awaits all. A good orchard was had by any one in Texas. A good orchard gives pleasure and health to our families and friends. A good orchard adds at least \$5 per acre to the value of a farm. You can never have a good orchard until you give some of your time studying fruit growing. Now is the time to study the subject."

SAVE THE BIRDS.

The laws of Texas on October 1 of each year say to the valiant Nimrod who roams the country, "Now you are at liberty to take up the customary whinny—slaughter of quail, doves, larks, chickens and the feathered tribe generally; and to the most pernicious tastes they go forth to the so-called sports, destroying the best friends of our most important industry, farming and fruit growing, thereby inflicting serious loss of products, which means that much taken from the wealth of our country. To the intelligent citizen, he is agriculturist, though he be a hunter, or mortifying this senseless and barbarous practice. Every farmer and land owner should prohibit it, and if necessary prosecute all such trespassers on his grounds.

The birds devour myriads of destructive insects that feed upon our crops, rescuing them in great measure, although we need it not, but thousands of dollars into the pockets of producers.

By the efforts of public-spirited citizens and the aid of state appropriations, and also by the exertions of individual cultivators, it is proven beyond a doubt that birds do a great deal more good than harm. Only a few birds, notably the English sparrow and the ricebird or bobolink, and a very few others, are enemies to agriculture, but, on the contrary, while light fowls, such as chickens, geese, turkeys, ducks, and other domestic fowls, and fruit or other cultivated crops, yet this is an insignificant loss compared with the great saving to the crops, by their eating the cutworms, plant locs, caterpillars, ear borers and innumerable insects unknown to most of us, which if not thus held in check would greatly reduce the present product of our country.

It turns out that many birds and animals considered pests are benefactors when shown up in their true light. For instance, in 1885 Pennsylvania passed the "scalp act," giving a bounty of 50 cents and notary fee of 20 cents more for each of the scalps of minnows, muskies, basses, and other fish, and in 1885 Pennsylvania passed the "scalp act," giving a bounty of 50 cents and notary fee of 20 cents more for each of the scalps of minnows, muskies, basses, and other fish.

Again, some are depending on a hole in the ground as a reservoir to supply water when the wind does not blow. This will absorb much water and waste the same amount of power. Then, too, the theory that a pump will lift so much water at a stroke and make so many strokes in a minute, will often prove delusive in the practice. The amount of power required to lift a given quantity of water will depend on the depth of the well, the size of the wheel, the size of the pump, etc., and is a matter of calculation. Then, all at all, it is too expensive. The same is true in sub-irrigation. The quantity of water required to irrigate a given acre is a matter of calculation, and is generally supposed. The atmosphere in this climate is so dry that evaporation is very rapid in hot weather, and the quantity of water needed to keep the soil moist enough to produce the best results is very great. There is danger of spending the water over too large a tract, as it must seep through the country, reach the roots, and not be introduced into the stalks.

CATTLE.

SCIENTIFIC FEEDING TERMS.

The farmer who does not read books and several papers pertaining to his special pursuit must be poor farmer and a poor man. And these two conditions are corollaries of each other.

each of which cannot be changed or reduced any further, then each of these is one of the elements of the animal plant. And so we cannot make one of these elements into another by the very nature of them; we cannot make one from another.

ON THE CATTLE SITUATION.

The New York Journal quotes F. D. Armour as follows: "The beef and pork packing industry is still in a very unsatisfactory condition."

BUCHANAN'S CRESYLIC OINTMENT.

Standard for thirty years. Sure death to Screw Worms and will cure Foot Rot.

CARBOLIC SOAP CO., Manufacturers, NEW YORK CITY.

"3-year-old" by the American fat stock show in 1891. One important reason for the decline of the heavy beef is found in the general cry for "cheap meat"—cheap, but good—and as the heavy animal has a larger percentage of oil than the smaller one, the latter is unprofitable to handle that class.

A BIG MORTGAGE.

On Friday Clark & Plumb, the well-known cattle mortgage in the office of the county clerk, naming W. McKoy of Oshkosh, Wis., as trustee, for the benefit of additional creditors.

STEER-FEEDING IN TEXAS.

A Texas reader asks the following questions: "The low price of cotton forced me to plant a large corn crop, and I desire to know the most profitable way to dispose of it. If I feed to steers, should it be crushed cob and all? Is there any fattening property in the cob?"

CATTLE IN DANGER.

The daily press of Saturday contained the two following special notices, which are self-explanatory: El Paso, Tex., July 19.—The Mexican collector of customs at Palomas, 80 miles west of El Paso, has issued orders that all American cattle in his district must be removed to the American side within 15 days or be confiscated.

TEXAS FEVER PREVENTION.

As the bringing in of numerous bunches of cattle from Mexico, South and East Texas and Louisiana, Texas fever has been introduced into a number of counties south and east of the quarantine line in this state and east of the line in the Territory.

ST. LOUIS SEMINARY.

A private, select school for twenty young ladies, located in the city of St. Louis, Mo.

Texas Central Normal College

Course of Study—Preparatory, normal, literary, business, shorthand, typewriter penmanship, bookkeeping, stenography, etc.

Fort Worth University.

This is one of the most comprehensive and thorough schools in the South. It is a real University, with the following departments: 2. Academic (which gives a good English education preparing for business life or in the languages; prepares for college); 3. College of Liberal Arts, 4. Law, 5. Medicine, 6. Music, 7. Fine Arts, 8. Education and Physical Culture.

- OSCAR L. FISHER, A. M., D. D., President, Ethics and Metaphysics. WILLIAM A. ADAMS, A. M., D. D., Principles and Practice of Medicine and Clinical Medicine. JAMES ANDERSON, D. D., Dermatology and Syphilology. ELIAS J. BEALL, M. D., Principles and Practice of Surgery. AUGUSTUS J. BOOTH, Dean, Law of Evidence. J. T. BRANTLEY, J. T. Arithmetic, Correspondence. L. R. BROWN, Obstetrics. SAUNDERS, T. CAMP, Instructor in Law. EDGAR DOAK CAPPS, M. D., Physiology and Lecturer on Diseases of Brain and Nervous System. IRA CARLTON CHASE, A. B., Chemistry and Toxicology. ALGER CONNOR, Belle Lettres. WILLIAM A. DUBINGER, M. D., Genitourinary Diseases. CHARLOTTE E. FISHER, Preceptors. IRENE FISHER, Principal Junior Preparatory Department. JULIAN T. FIELD, M. D., Operative and Clinical Gynecology. ROBERT W. FLOURNOY, A. B., Instructor in Law. DAVID R. FLY, M. B., Demonstrator of Anatomy. AGNES PURGISON, A. M., German and French.

The University campus is located in the South Side of the city of Fort Worth in the choice of sites. The building is quickly made by the University and the care of the schools occupy four large and commodious buildings on the campus, and three others outside. The equipment of the schools in laboratories, etc., is extensive and up-to-date. The majority of the young ladies and sixty of the young men with a part of the faculty in the buildings on the campus. Here is provided for them a very pleasant home, where they live under the immediate supervision of Mrs. Charlotte E. Fisher, assisted by eight other lady members of the faculty. The young men and boys are under military discipline, and in their care the commandant has the personal assistance of President Fisher.

The students room in the same building, and in dining sit at the same table with the faculty. Terms very moderate. School begins Tuesday, September 10, 1896. For further information and an annual catalogue address: PRESIDENT O. L. FISHER, Fort Worth, Texas.

Galveston Business University. ABSOLUTELY THOROUGH. Other blow. We make business offers. You may attend a month on trial, then pay your expenses monthly at \$12 per month for board, lodging and tuition in all departments. Most delightful climate on earth. Send for superb catalogue and full information free. J. F. SMITH, Founder, Galveston, Texas.

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Students educated for Business by doing business. Actual business from start to finish. Most thorough and eminently practical course of actual business training in America. It will pay you to attend the oldest, cheapest and best. Full Business Scholarship board, furnished room, fuel and light, with private family for 12 weeks, \$35, of \$115 for 24 weeks. For special offers, Club Rates, or 8-page paper, containing full particulars, call at College, or address, J. W. MAHAN, President, Sherman, Texas.

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A BOARDING SCHOOL FOR YOUNG MEN AND BOYS

The college is beautifully situated on the Heights, three miles south of Austin, in a healthy and picturesque locality. Every facility is offered for a thorough Classical or Commercial Education.

With MODERN LANGUAGES, MUSIC, SHORT HAND, TYPEWRITING, TELEGRAPHY, DRAWING AND PAINTING as optional studies under special resident teachers. A Minut Department for Small Boys under 13. For catalogue or further particulars address: REV. E. P. MURPHY, C. S. C., President.

URSULINE ACADEMY, GALVESTON, TEXAS.

A thorough and refined education for the young ladies placed in our care is the aim and end of this institution. Just closing its forty-eighth year its record speaks for itself. The Catholic institution, pupils of every religious denomination are admitted. Location and climate the best in the South. Buildings convenient and spacious, and fitted with all modern improvements—hot water, furnaces, electric lights, baths, elevators, and perfect hygienic ventilation. Next term begins first Monday in September. For particulars address Mother Superior Ursuline Academy, Galveston, Texas.

ADD-RAN CHRISTIAN UNIVERSITY, THORP SPRINGS, TEXAS.

Twenty-third annual session opens September 4. The institution is first-class. The location is healthful, quiet and accessible. Three miles from Granbury, on the Fort Worth and Rio Grande. New and excellent additions to the home for young ladies. Ten schools with experienced teachers at the head of each. Three courses leading to the bachelor degree. Nine post graduate courses leading to A. M. P. H. D. Physical culture carefully provided for by gymnasium and military companies. A well selected library of 2500 volumes. Boarding facilities excellent, and prices very reasonable. Matron for the young ladies and university physician without cost to the pupils. A. CLARK, LL.D., President.

PEACE INSTITUTE, FOR YOUNG LADIES, RALEIGH, N. C.

An advanced, thorough and select course, 18 years without a death. Conservatory of music, 2 directors, both American, one a graduate of Leipzig, one from Boston; 21 of floors and teachers. Special terms to Southern pupils. The best and cheapest school in the South. Send for catalogue. JAS. DUNN IDDIE, M. A. of University of Virginia.

URSULINE ACADEMY, DALLAS, TEX.

This institution, chartered by the legislature of the state, continues to afford that thorough and refined education, which has distinguished it since its establishment. A SELECT DAY SCHOOL has been attached to the Academy. Studies will be resumed on Monday, September 8. For particulars apply to MOTHER SUPERIOR, St. Joseph Street, bet. Live Oak and Bryan, Dallas, Tex.

Texas Female Seminary, WEATHERFORD, TEXAS.

This institution offers best accommodations for boarding and instruction at moderate cost. Elegant buildings of modern design and architecture. Location most beautiful and healthful. Instruction in classical courses, English, sciences, philosophy, mathematics, Bible study, music, art, elocution, physical culture, pedagogy. Fall term begins September 3. For catalogue or other information address: J. S. HOWARD, President.

Weatherford College.

For males and females. Has superior advantages, healthful location; new college buildings; new boarding house for young ladies; new observatory; scholarly teachers; successful record; patronage of the best people and confidence of everybody. First term begins September 10, 1896. For catalogue or full particulars address: DAVID S. SWITZER, A. M., Weatherford, Texas.

1846 LOGAN FEMALE COLLEGE. 1895

Affords high culture in the schools of music, art, literature, science, mathematics, classical and modern languages. Buildings large and well furnished. A fine, healthy point. Address: A. G. MURPHY, President, Russellville, Ky.

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Under the direction of the Sisters of St. Mary. FORT WORTH, TARRANT COUNTY, TEXAS. This institution unites every advantage that can be derived from a conscientious care bestowed upon the pupils in every branch of a Christian and scientific education. Propriety of department, politeness and the principles of morality are the objects of constant solicitude. Difference of religion is no obstacle to the admission of young ladies, but conformity to the general regulations of the school is required.

Sherman Institute and Conservatory of Music and Art.

HIGHEST COURSE IN THE STATE. Texas' model school for girls. Founded 1877. Unconventional, but Christian in influence, discipline and instruction. A large and able corps of instructors. Various societies and clubs. Degrees conferred. Honors and medals awarded. Commodious buildings, including dormitories, halls, studios, etc., surrounded by balconies; all overlooking beautifully ornamented grounds. Library of 2000 choice volumes. Laboratory containing philosophical, astronomical and chemical apparatus. Steam-heating, electric lights, waterworks, bath rooms and every appliance conducive to health and enjoyment. Museum of natural history. Largest gymnasium in the state. Expenses moderate. Address: J. G. NASH, A. M., LL. D., President, Sherman, Texas.

North Texas Female College and Conservatory of Music, SHERMAN, TEXAS.

Has just closed the most prosperous year in its history. The best instruction given in every department by teachers of experience and ability. Dormitory accommodations excellent. A handsome new brick building for dining hall and other purposes will be ready by fall. Judging by past experience, we would advise pupils to apply early for admission. For catalogue address: MRS. L. A. KIDD KEY, President.

Butler's Business Training College, HOUSTON, TEX.

602 1-2 MAIN ST., HOUSTON, TEX. Telegraphy and Languages Taught in connection. For further information, prices and catalogue, address the Principal, L. W. BUTLER.

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Texas Stock and Farm Journal.

D. O. LIVELY, Editor.

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The Stock Journal Publishing Co.

REO. B. LOVING, Pres. and Mgr. A. J. SANDEGARD, Treasurer. D. O. LIVELY, Secretary.

Office: 407 Main St., Opposite DeLaWare Hotel. FORT WORTH, TEXAS

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FINE STOCK FOR MEXICO. This paper has time and again suggested the advisability of cultivating Mexico as a market for Texas fine stock, but the home demand for blooded animals has so far exceeded the supply that the Mexican wants in this direction have with few exceptions been unmet.

The reason for the shipment was stated to be that the Mexican breeders of fine stock and those who were endeavoring to improve their range herds had discovered that cattle from southern Texas suffered little from the change in climate, while great losses had occurred among those brought from states north and northeast of Texas.

There should be a closer acquaintance between the farmers of Texas and the government experiment station and its branches in this state. The object and purposes of these branches of the agricultural bureau are the fostering and advancement of the state's agricultural interests, and by the active co-operation of the farmers and stockmen throughout the state its work could be made more valuable.

The United States plant almost one million acres of potatoes more annually than Great Britain, yet that country produces more bushels than the United States. And what is more, they are raised at a less cost per acre than in this country.

THE POULTRY BUSINESS. Fort Worth is to have a grand poultry show this winter, and while the ordinary business man will laugh sarcastically when spoken of in the importance of the poultry industry, when he is told that it is the largest agricultural interest in the country, and is shown the figures to prove it, he is astounded.

The Fort Worth stock yards company are receiving numerous inquiries from the northwestern and central western states for Texas sheep. Splendid feed crops are assured all over the country mentioned, and as cattle are scarce and high, they want sheep to feed.

we do not export. Our entire yield, which is vastly insufficient to meet the demand, is all consumed at home, and, besides, statistics show we import from foreign countries over 13,000,000 dozen eggs annually.

Here, where we have so many natural advantages as compared with other countries, our profit should far exceed them in proportionate value. These facts also show that the value of poultry and eggs exceeds even wheat, the greatest agricultural product of our land, by over \$72,000,000.

The general impression is that this vast industry is controlled by the farmer on his acres of land. Such is not the case. The farmer does not supply 40 per cent of the eggs raised in the country. The majority of eggs and poultry are raised by city and suburban residents, and those who have a small number of acres and make a specialty of poultry raising.

Wednesday next will witness the opening of the Horticultural fair at Bowie, Tex., under the auspices of the Texas Horticultural society, to remain in session three days. The work of no organization in Texas has shown results equal to what has been accomplished by this band of horticulturists, and even though not interested in fruit growing, the good they have done and will continue to do, entitles them to the encouragement of a big attendance of people of every class at their fair.

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The United States, with a population of 63,000,000, will consume proportionately about 345,000,000 worth of eggs and poultry a year. In order that the full value of the industry may be determined correctly, we must add to the above \$63,000,000 for the value of fowls retained for breeding and laying stock, and about \$800,000 for fancy stock and eggs.

Highest of all in Leavening Power.—Latest U. S. Gov't Report. Royal Baking Powder ABSOLUTELY PURE

and the remainder by October 1. The 2000 spayed heifers were purchased from J. P. McMurray and were out of the Goodnight herd. The Turkey track steers sold at \$25.50 a head and the J's and Cross L's at \$30 a head. The Rankin farms in Atchison county comprise 29,000 acres.—Kansas City Times.

Dr. F. W. Hopkins, VETERINARY SURGEON. Late Veterinary Surgeon 7th U. S. Cavalry and graduate with honors at Columbia and American Veterinary Colleges. Will treat your Horses, Cattle and Dogs. Phone 7L. P. O. Box 210 Fort Worth Texas.

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A Spanish gunboat threw a couple of shots at an American schooner which was in Cuban waters. A Lake Shore and Michigan train was held up and robbed of \$8000 near Toledo, Ohio, Tuesday night.

A Dallas business house in course of repairs caved in, burying five men in the ruins. None of them will die. Fort Worth's new union depot project is assuming shape, and it is thought it will be built in the near future.

LET THE FEET REST. In every farm account published, the bill of the farmer takes a prominent place. Most of it is for shoeing the horses. It is a question if this expense might not be avoided, with profit to every way.

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HICKS DAY LUMBER CO. Manufacturers of all kinds of pine lumber and dealers in shingles, sash, doors, blinds and cypress cisterns. Daily capacity of mills 100,000 feet. HOUSTON, TEXAS. Please mention this paper.

ST. GEORGE HOTEL, DALLAS, TEXAS. Under new management. Thoroughly renovated, and refurbished accommodations, as good as high-priced houses. Rates \$2 per day. CHARLIE HODGES, Prop.

D. W. Bartlett, M. D. Manufacturer of the Bartlett patent and all other standard and artificial legs and arms, appliances for deformities, truss supporters, etc. 218 1-2 Travis street, Houston, Texas.

FOR SALE OR EXCHANGE. Must Be Sold at Once.—150 Delaine Sheep. Will also sell a few choice Hereford cattle. Write for catalogue and prices. S. W. Anderson, Asbury, W. Va.

HONEY! Honey! I can sell you a 60-lb. can of extracted from that famous Cat Claw, for one dollar and ten cents. Write for catalogue and prices. W. D. Bunting, Uvalde, Tex.

FOR SALE.—About 1000 head of good East Texas cattle, all ages, including one, two and three-year-old steers. Eids received up to July 24. Address N. J. MAINER, Lovelady, Tex.

WANTED—Live deer, antelope, wild turkeys and other wild animals. Address Charles Payne, Wichita, Kan. WANTED. Will take 5000 cattle to FATTEN on the finest pasture in West Texas, above the quarantine line, and only ten miles from the quarantine line. Good water in abundance. Address A. P. BUSH, JR., Fort Worth or Colorado City.

BREEDERS' DIRECTORY. BOURBON COUNTY HERD. ENGLISH BERKSHIRE SWINE. J. S. Magers, proprietor. Arcadia, Kan. Imported and price-winning American sows headed by imported Western Prince, 22-23. All selected and bred to head herds and to supply those wanting none but the best. Fall litters now at hand. Write or come visit me and see the herd.

BOCK QUARRY HERD. N. B. Mosher & Sons, Salisbury, Mo., breeders of the choicest strains of Poland China Hogs, Hereford Cattle, M. B. Turkeys, A. A. Grains and Blk. Langshan Chickens. Young stock for sale.

SAN GABRIEL STOCK FARM. D. H. & J. W. SNIDER, Props. GEORGETOWN, TEXAS. BREEDERS OF PURE BRED Percherons and French Coach Stallions. A fine list of which are for sale. CORRESPONDENCE SOLICITED.

POST OAK POULTRY YARDS. Breeders of Thoroughbred Poultry and Poland China Swine. Handley, Tex. A. G. Fowler, Prop. My stock consists of the following varieties: Cornish Indian Game; Silver Wyandottes; Banded and White Plymouth Rocks; Red Caps; Buff and Partridge Cochins; Light Brahmas. Eggs in season, \$2 for 13, except the Cornish Indian Game, which are \$3 for 13. No fowls for sale this fall. State agent for the Monitor Incubator and Brooder. Orders taken for all Poultry supplies. I am also a breeder of registered Poland China Swine. Texas raised young stock for sale. Correspondence solicited and satisfaction guaranteed.

O. I. C. \$10.00. For ten dollars I will deliver one of my Ohio Improved Chester pigs of either sex, 8 to 12 weeks old, freight paid, to any express office. These pigs from registered stock and pedigree furnished with each pig. Money to accompany order, and this offer good only for thirty days to introduce my stock. H. S. DAY, Dwight, Morris, County, Kan.

Wm. O'CONNOR, Taylor, Texas. Breeder of thoroughbred Poland China Hogs of the best families. Pigs 2 1/2 to 3 months old, \$10. All stock guaranteed as represented.

A. W. THEMANNSON, Wathena, Kansas, near St. Joseph, Mo., Poland-China Boars. Glits bred to Graceful F. Sanders, 13095 S. E. is by J. H. Sanders 2719 D, and out of Graceful F., 63408 O. Sire and dam both first prize winners at World's Fair and descendants of Black U. S. 13471.

B. R. VALE, BONAPARTE, IOWA. Breeder of Improved CHESTER WHITE SWINE. The oldest and leading herd in the West. State fair record unexcelled by any breed or breeder.

Harwood & Lebaron Bros. Fortness, Texas. Berkshire Swine and Jersey Cattle of best breeding. Write us for pedigree and prices.

FOR SALE. I have for sale, and had a good stock, keep constantly on hand a good stock of Jersey Red Swine. Also pure bred Holstein-Friesian Cattle. FOR PRICES WRITE TO F. C. WELBORN, Handley, Texas.

BEES, BEES. If you wish to know all about bees send for my catalogue which tells all about queen rearing. A large steam bee hive factory. Mrs. Jennie Atchley, Beeville, Bee county, Texas. Please say you saw ad in this paper.

MORPHINE, OPIUM AND WHISKY CURED AT HOME. Remedy \$5. A cure guaranteed. Write for Book of Particulars, Testimonials and References. Tobacco, the Tobacco Cure, \$1. Agents wanted. G. W. Wilson Chemical Co., (Incorporated under Texas laws), Dublin, Texas. Mention this paper.

FOR SALE. Anyone wishing to buy Mexican cattle will find it to their interest to correspond with Felix Mann, at Eagle Pass, as I have secured the agency of 50,000 head. FELIX MANN, Eagle Pass, Texas.

400 Prizes Won at the First State Fair. 2000 Merino sheep, half muttons, balance ewes, with clip eight pounds per year's growth per head; also sixty Merino rams. For further information apply to BLAND & ROBERTSON, Taylor, Texas.

At a Price. Gold and Silver Watches, Jewelry, Clocks, Cameras, Sewing Machines, Stoves, Ranges, Washers, Irons, and all the latest improvements. W. C. FORBESS, G. F. & P. Agent.

You Can't Beat Elasticity. Manufacturers of foot wire fences have tried it for years. Curly hills, runaway horses, and all kinds of farm stock have tried them and all still use them above all other competition. For full particulars address PAPE WOVEN WIRE FENCE CO., Adrian, Mich.

FOR SALE. A ten-section ranch in Sterling county, Texas, on the north Concho river; divided into three pastures—two of one-half sections of deeded lands, and one simple title. One and a half sections leased—permanent lease. Will sell land at \$150 per acre, including improvements. Can give possession by December 1, or sooner if desired. Can sell good cows to stock it, if applied for soon. Cattle are in Sterling county; are safe to go east or north. Location, water, grass, protection all that can be desired for profitable breeding. Must be sold to settle estate. Apply to GEO. E. KELLOG, Sterling City (or ranch), or to W. A. HUDSON, 1212 Linwood avenue, Kansas City, Mo. Can be enlarged by leasing adjacent lands if desired.

Blue Mound Blooded Stock Farm. J. W. BURGESS, Proprietor. FORT WORTH, TEXAS. BREEDER OF REGISTERED SHORT HORN CATTLE. Young stock for sale at all times. Write for prices. Subscribers to Texas Stock and Farm Journal who do not receive their paper regularly are requested to notify this office.

HOUSEHOLD.

Address all letters for this department to Mrs. E. S. Buchanan, 814 Mason street, Fort Worth, Tex.

A SERMON IN RHYME.

If you have a friend worth loving, Love him. Yes, and yet him know That you love him, ere life's evening Tinge his brow with sunset glow.

If you hear a song that thrills you, Sung by any choir or song, Praise it. Do not let the singer Wait deserved praises long.

If you hear a prayer that moves you By its humble, pleading tone, Join it. Do not let the seeker Bow before his God alone.

Read the little poem above and practice the beautiful sermon it preaches. It is not sad to think we generally wait until a friend or loved one is dead before we show how much we appreciate that one in life.

We have a delightful letter this week from another Busy Bee. We will call her Busy Bee. No. 1.

Dear Mrs. B.—Here is another interesting reader who wants to chat awhile with the "Household." Now I expect some of you will object to my bringing up an old subject. But patient cease to be a virtue once in a while. The subject is "Nagging."

Now what can be more sad than to rear sons and daughters in this way, and what can a man expect of his sons, when he only cares for what they do for him; otherwise he has no use for them?

Now this same man will hire any one who comes along, and pays them a big price, when his own sons would be glad to work for one-half that amount, and keep the money at home, but his sons must work for nothing.

TO THE MEN AND BOYS. Dear Mrs. B.: I would like to speak a word to our men and boys. It seems that some of our sisters are inclined to have rather a biased opinion of the sex in general.

FOR THE KITCHEN. Vanilla caramel cake filling—One and a half cups sugar, three-fourths cup of milk. Boil together. Three-fourths cup of sugar browned light.

ST. MARY'S INSTITUTE. A Boarding and Day School for Young Ladies and Girls—College Hill, Dallas, Texas.

ONLY TWO DAYS BETWEEN TEXAS AND NEW YORK. Pullman Buffet Sleeping Cars to St. Louis, Chicago and New Orleans.

AN EXCELLENT LETTER. Dear Mrs. B.: I have been silent until I cannot be silent longer. I enjoy the household so very much and always look forward with pleasure to my little Nell step out and chat a while with me, for I am quite tired and am

sure she would brighten me, and I will promise to take her through the very cleanest little dining room and kitchen as Mondays are always my wash days, my clothes are out white as snow, making all clean.

Being a new one at making vinegar, I have not written. I see Nebraska Girl has told you how to make vinegar out of apples. As they are a scarce fruit with us, I will state that any other fruit will supply their place.

FOR ISABELLE AND LITTLE NELL. Luncheon for the Girls that Read. Have Clubs and Write to the Journal. Cheese straws—One cup of flour, one cup of grated cheese, one-half teaspoon of salt, a pinch of cayenne pepper.

ARTS AND THE WAY TO MAKE PUFF PASTE. The surest way of success with puff paste is to have lard and water very cold, dropping it into flour with knife.

RECIPES FROM IRENE. I will give some recipes: No. 1. To remove fruit stains and iron rusts from white fabrics. First wash in moderate warm soapuds and then take green or ripe tomatoes and cut the juice on the stain and lay in the sun.

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corn mush just sufficient to hold them together, is good for fevers in the stomach, or inflammation. The mouth washed out with borax water sweetens the taste.

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ONLY TWO DAYS BETWEEN TEXAS AND NEW YORK. Pullman Buffet Sleeping Cars to St. Louis, Chicago and New Orleans.

ON ITS OWN RAILS MISSOURI, KANSAS & TEXAS RAILWAY. Now Run Solid to... St. Louis Chicago Kansas City

WAGNER BUFFET SLEEPING CARS AND FREE CHAIR CARS. "TEXAS PANHANDLE ROUTE."

Fort Worth and Denver City RAILWAY. MORGAN JONES, JOHN D. MOORE Receivers.

Short Line from Texas to Colorado. CHANGE OF TIME. July 1, 1904.

TRINIDAD, PUEBLO. And the Great Wichita, Red River, and Peace river valleys, the finest wheat, corn and cotton producing country in the world.

THE ONLY LINE RUNNING THROUGH PULLMAN AND FREE RECLINING CHAIR CARS WITHOUT CHANGE. For further information address D. B. KEELER, G. P. & F. A., F. W. & D. C. Ry., Fort Worth, Texas.

RIDE ON THE RED EXPRESS, THE SANTA FE. Pullman Buffet Sleepers and Free Reclining Chair Cars. The Quickest Time Between North and South Texas and a solid vestibuled train between Galveston and St. Louis.

LIGHTNING HAY PRESS FULL CIRCLE TWO FEEDS TO CIRCLE STEEL MOST RAPID AND POWERFUL A. C. HAY PRESS KANSAS CITY, MO.

TEXAS AND PACIFIC OFFER THE PUBLIC THE Best Passenger Service BETWEEN TEXAS, THE EAST AND SOUTHEAST. CannonBall Train SHORTENED ONE HOUR IN TIME.

LIMITED EVENING EXPRESS HAS BEEN QUICKENED 8 HOURS TO ST. LOUIS AND THE EAST. 4 HOURS TO MEMPHIS, 1 HOUR TO NEW ORLEANS.

ONLY TWO DAYS BETWEEN TEXAS AND NEW YORK. Pullman Buffet Sleeping Cars to St. Louis, Chicago and New Orleans. For tickets, rates and further information, call on or address your nearest ticket agent.

T. W. LAKE, Successor to T. L. BURNETT. Carries a complete line of Hardware, Tinware, Stoves, Crockery, Chicken Netting, Screen Doors, Refrigerators, Gasoline Stoves, Ice Cream Freezers, De Lavel Cream Separators, Galvanized Pipes and Well Buckets. Special prices to stockmen and farmers. Mail orders given special attention at lowest prices. Nos. 212-214 Houston Street.

BLAIR BROS., Fort Worth, Tex. FINE OLD WHISKIES. People in the country can now buy Whiskies of us by the gallon at wholesale prices. We sell four year old Whiskies at \$2.50 per gallon. Five year old Whiskies \$3.00 per gallon. Old Rye Whiskies \$3.50 per gallon. Mail orders receive prompt attention. Send money by express or P. O. money order. Cor. Fourteenth St. and Jennings Ave. C. I. Dickinson. C. T. McIntosh, Late of Atlanta, Ga. We refer you to any bank of Fort Worth. O. I. DICKINSON & CO., REAL ESTATE, RANCHES AND FARMS.

REAL ESTATE, RANCHES AND FARMS. City Property, Stocks, Bonds and Merchandise Bought, Sold and Exchanged. Prompt attention to all business put in our hands. We have small and large farms in every county in the state of Texas, and have special inducements to offer parties wishing to buy. We pay special attention to exchange business. Fort Worth, Tex. First floor Powell Building, 205 Main Street.

Quality First, Price Next

Image of a sewing machine. In selecting a Sewing Machine for a premium the Journal went out of its way to get a Machine that was not built for "cheap John" trade. The ordinary cast iron trap sold by faking newspapers was not good enough for our readers. "The Best was None too Good For Us."

So it is to-day; the STOCK AND FARM JOURNAL is offering the best Sewing Machine made to its readers.

Image of a sewing machine. Look at the under side. See how simple, clean and neat it is; all patented improvements. But the Journal acting on its motto made a trade with the factory and to-day gives a machine that cannot be duplicated in FINE DESIGN, ELEGANT WORKMANSHIP, DURABLE MATERIAL, FINE ATTACHMENTS, EASY OPERATION by any other Machine made, regardless of price.

DO YOU BELIEVE US? We have plenty of readers using the Machine and would be pleased to send testimonials. Write for full descriptions, or order the Machine on 15 days trial.

TERMS AND PRICES: There are four ways to get it: 1st. To any one sending us \$22.00 we will send the Journal and this Machine, paying all freight. 2nd. To any one sending us ten subscribers and ten dollars for same and fifteen dollars additional, twenty-five dollars in all we will send the Machine prepaid. 3rd. To any one sending us twenty subscribers, and twenty dollars to pay for same, and eight dollars in addition, we will send the Machine prepaid. 4th. To any one sending us 32 subscribers and \$32.00 to pay for same, we will send the machine, freight paid.

REMEMBER: We cannot send these Machines C. O. D. or on a credit, because to get them at the prices we do, we have to pay cash in advance. If after 15 days' trial the Machine proves unequal to any machine, we will refund all money paid out on it. STOCK AND FARM JOURNAL, Fort Worth, Texas.

ANSY PILLS! ALL THE GREAT MEDICAL EXPERTS OF THE WORLD HAVE TESTIFIED TO THE SUPERIOR QUALITY OF THESE PILLS. J. C. McCABE, G. P. & F. A., Fort Worth, Texas.

PERSONAL.

With this issue of the Journal begins the advertisement of Fort Worth University, an institution chartered under the laws of the State of Texas...

S. E. Sherwood of Ryan, I. T., was in Fort Worth Monday and Tuesday. Mr. Sherwood is a progressive and prosperous cattleman and while he received a telegram notifying him of the sale of ten cars of sorghum...

J. B. Caldwell, a big Ellis county cattle feeder, was in Fort Worth Saturday, still on the outlook for feeders, which he says will be in demand...

W. L. Gatlin of Abilene, a prosperous cattleman, who recently moved to Fort Worth, has bought the Mansion hotel, paying therefor \$45,000.

J. M. Edwards of Smithfield, Tarrant county, called at this office Wednesday and had the Journal sent to two of his friends...

Col. W. E. Skinner, manager of the Fort Worth stock yards, has recently returned from a visit to plants in Iowa, Nebraska and Illinois...

The hay crop is short, and Col. Skinner thinks that Texas stockmen and farmers should put up all the hay they can, as there will be a good demand for it in the winter...

Burke Burnett of this city, who is known and liked by every stockman with his eyes on Fort Worth, has been jumping sideways with delight the last few days over the advent at his house of a lusty-lunged and bouncing boy baby...

Prof. J. F. Smith, founder and proprietor of the Galveston Business University, orders the Journal to reinstate his advertisement and in his letter to the editor says...

J. A. Gamel of Chickasha, I. T., a well-to-do cattleman, was in Fort Worth Wednesday and called on the Journal. He says he was home from a trip to Bell, Lampasas, Mills and other central Texas counties...

Charles L. Ware, general livestock agent of the Fort Worth and Denver railroad, has been "joshed" considerably by the rounders who infest the hotel corridors...

C. E. Brown of Childress was in Fort Worth Sunday, en route home from Pecos City, where he received 1500 steers bought of Gage of Alpine.

O. C. McWhorter of Hale Center, Texas, one of the oldest cattlemen in the state, having been regularly in the business for forty-one years...

S. P. Britt of Childress, a cattleman, was a caller at the Journal office Saturday. During his visit the conversation turned on the Texas cowboy and Mr. Britt said...

E. P. Freeman of Alvarado, who feeds cattle at that point for Scott & Hildreth of this city, was in Fort Worth Saturday and said...

A. I. Becher of Belcher, Tex., a well-to-do stockman, was a caller at the Journal office Thursday. Said he was in the market for 1000 feeder steers...

Virgil O. Rosser, of Terrell, writes the Journal from Georgetown, Texas, from his investigations on Robertson to Burnett counties, he finds that crops are exceptionally good...

Perry Harmon of Justin, Denton county, a prosperous farmer and stockman, was in the Journal office Thursday of last week...

also said that the cotton crop will be very short, as the constant wet season had caused the plant to go to seed, without producing any fruit...

S. W. Anderson of Asbury, W. Va., advertises in the Journal to sell 150 head of Delaine sheep and also a few choice Hereford cattle...

Loren W. Krake of the National Stockyards at St. Louis, came in Friday from a two-weeks' hustling tour in the Territory...

E. Bryan of Hubbard City, Hill county, Texas, a cattleman with a ranch in Greer county, was in the Journal office Saturday...

T. J. Gwaltney of Honey Grove, member of the extensive cattle feeding firm of Gwaltney Bros., was in Fort Worth Tuesday on his way home from Menardville...

W. H. Gibbs of Goree-Knox county, was a caller at the Journal office Wednesday. Says that good crops are prevalent all over the west...

George T. Reynolds of Albany was in Fort Worth Thursday en route to his Dakota and Montana ranges...

M. R. Dungan of Joshua, this county, an old friend of the Journal, was a caller Monday. Said that he was thinking of moving back to Midland...

Thomas & Co., bankers and brokers, Riato building, Chicago, have an advertisement in this issue that should be read by those speculatively inclined...

Miles Branch the popular representative of the Kansas City stock yards, was here Sunday, having run down from Denver...

E. B. Shroud of Hillsboro, banker, merchant and stockman, was in Fort Worth Sunday en route to the Territory to select pasturage for some cattle...

Col. McKoy of Oskosh, Wis., a widely-known cattleman, with ranch on the Concho, was in Fort Worth Monday. Col. McKoy is trustee in the recent Clark & Plumb assignment...

S. W. Barber of Wagoner, I. T., cattle feeder, was in Fort Worth Monday. Says cattle are looking well and the movement to market will begin in earnest in a short time...

Sam H. Cowan, the popular attorney for the Cattle Raisers' association, left Friday en route to the Territory for his sojourn at Waukesha and other resorts...

Al Popham of Amarillo was in Fort Worth Sunday en route to the Territory where he went to look at a bunch of cattle with a view of purchasing...

James Riser of Meridian, member of the Lone Star Commission company of Kansas City, was registered at the Delaware hotel Saturday...

Don Bell of Abilene came in Saturday, and in common with other cattlemen says everything in the west is unusually flourishing...

Tom Holmesty of Comanche, an old-time cattleman, was a visitor to Fort Worth Monday...

Billy Jordan, Uncle Sam's agent at Quanah, was a flying visitor to Fort Worth Saturday...

J. W. Ernest of San Marcos, with ranch near Midland, was a visitor to Fort Worth Friday...

W. B. Worsham of Henrietta, a big cattle owner, was a visitor to this city Friday...

VERY POOR GRASS.

Wichita Falls, Tex., July 20, 1895. Editor Journal: I would kindly tell me whether or not this grass is good for hay, and if it has any market value...

AMPERICORPUM PURSHII. Wichita Falls, Tex., July 20, 1895. Editor Journal: I would kindly tell me whether or not this grass is good for hay, and if it has any market value...

There is more catarrh in this section of the country than all other diseases put together, and until the past few years...

SAMANTHA AT SARATOGA. Have you read this clean, clever book of humor? We are offering it free to subscribers of this Journal...

THE INTERNATIONAL ROUTE. The International and Great Northern railroad is the shortest and best line between points in Texas and Mexico...

POLYTECHNIC COLLEGE. The Polytechnic college is rapidly becoming one of the finest educational institutions of the Southwest...

It will open next September with a faculty of thirteen professors and teachers. The schools of mathematics, language and literature, ancient and modern languages, and natural science are in charge of specialists who thoroughly understand their work...

These branches constitute the basis of an all round education, and hence the college lays great stress upon their mastery. The commercial department is in charge of Prof. W. L. Alexander, who for some years past has been one of the proprietors of a leading business college in another city...

Miss Melton's work has in several instances taken the prizes at the Dallas state fair. Miss Melton and her pupils, was considered very fine. Miss Melton's work has in several instances taken the prizes at the Dallas state fair...

Those who wish catalogues of this fine school can get them by addressing the president, Rev. W. F. Lloyd, Fort Worth. Every Day in the Year. The "Great Rock Island Route" runs a solid vestibule train to Kansas City and Chicago...

This train also lands you in Denver or Colorado Springs for breakfast second morning, only one business day out. For Lincoln, Omaha and other Eastern Nebraska cities, it saves a whole night ride as via any other line...

The equipment, road bed and motive power are strictly first-class and "up to date." Our rates are cheap as consistent with first-class service and the requirements of safety...

EXTRA COTTON BELT ATTRACTIONS For the Summer of 1895. Triennial Conclave of Knights Templars, Boston, Mass., August 26th. Cotton States and International Exposition, Atlanta, Ga., September 10th to December 21st...

Why not Purchase your Louisiana Cypress Water Tanks, Sash, Doors and Blinds from Callahan & Lewis Manufacturing Co., LIMITED, PATTERSON, LA.

Who are headquarters for everything in this line. We can make you a delivered price to any point, North, South, or West, on Water Tanks and Inville Correspondence. We operate our own sawmills. Don't fail to write for our complete list of sizes of Cypress Water Tanks.

SALESMEN WANTED to sell our goods the wholesale and retail trade, see us in sight to every business man or firm; liberal salary, money advanced for advertising and expenses. Permanent position. Address with stamp, KING MFG. CO., C27, Chicago, Ills.

READ BELOW. The Numerous Occasions for Which Reduced Round Trip Tickets Will Be Sold to EASTERN PORTS, Via Southern Pacific-Sunset Route.

Christian Endeavor Meeting, Boston, Mass.—One fare for the round trip, July 1 to 7. Good to return August 6, 1895. Young People's Union, Baltimore, Md.—One fare for the round trip, July 1 to 16. Good to return August 9, 1895.

Conclave Knights Templar, Boston, Mass.—One fare for the round trip, August 17 to 22; good to return October 8, 1895. Do you want to laugh? get that inimitable book "Samantha at Saratoga"...

OUR GREATEST PREMIUM. Do you want to laugh? get that inimitable book "Samantha at Saratoga"...

Dr. Gies' Infallible Remedies. Of German origin and famous for their remarkable cures. Will positively cure all chronic debilitating and degenerating diseases...

INFAILLIBLE REMEDY CO. Office, Walker building, corner Houston and Sixth streets, (Up stairs) Fort Worth, Texas.

A \$1 MAGAZINE FOR 30 CENTS. Send 30 cents and names of six people who might subscribe, and we will send you the St. Louis Magazine a full year...

STANDARD Cane Mills FOR HORSE AND STEAM POWER. EVAPORATORS FOR SYRUP AND SUGAR.

THE BLYMYER IRON WORKS CO., CINCINNATI, OHIO. Make more kinds and sizes than any other house in the world...

THE SOUTHERN ROCK ISLAND PLOW CO., ST. LOUIS, MO. 2519 Olive Street, St. Louis, Mo.

Facilities for feed water and rest in transit are provided at San Antonio, Taylor, Palestine, Longview, Texarkana, Little Rock, Poplar Bluff, Cairo and Louisville.

For further information call on nearest agent or address J. E. GALBRAITH, G. F. AND P. A., D. J. PRICE, A. G. P. A., Palestine, Texas.

BRIAR PIPE GIVEN AWAY WITH EVERY ONE POUND bale OF DUKES MIXTURE

For 35 cents Every pipe stamped DUKES MIXTURE or ATCO 2 oz. PACKAGES 5¢

HOW BIG PROFITS ON SMALL INVESTMENTS easily made by careful, systematic speculation in grain, provision and stocks. No safer method of successful speculation under present favorable conditions of returning prosperity and advancing values...

To Cattlemen: We Recommend Our Special Brew "Extra - Pale" BOTTLE BEER

For Table Use. Try it and Draw Your Own Conclusions. TEXAS BREWING CO. ALWAYS OPEN. GEO. L. GAUSE, UNDERTAKER AND EMBALMER.

Full line of Undertaker's Goods on hand. Prompt attention given telegraph and telephone orders. 314 W. Weatherford St., near Court-house, Fort Worth, Tex. Phone No. 157.

Why not Purchase your Louisiana Cypress Water Tanks, Sash, Doors and Blinds from Callahan & Lewis Manufacturing Co., LIMITED, PATTERSON, LA.

Who are headquarters for everything in this line. We can make you a delivered price to any point, North, South, or West, on Water Tanks and Inville Correspondence. We operate our own sawmills. Don't fail to write for our complete list of sizes of Cypress Water Tanks.

SALESMEN WANTED to sell our goods the wholesale and retail trade, see us in sight to every business man or firm; liberal salary, money advanced for advertising and expenses. Permanent position. Address with stamp, KING MFG. CO., C27, Chicago, Ills.

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This map shows a modern "up-to-date railroad," and how it has its own line to the principal large cities of the West.

IT IS THE "Great Rock Island ROUTE"

And has double daily fast express train service from Texas as follows:

No. 4. Lv. Fort Worth.....10:40 a m Lv. Bowie.....1:31 p m Lv. Ringgold.....2:39 p m Ar. Kansas City.....8:20 next a m No. 2. Lv. Fort Worth.....8:10 p m Lv. Bowie.....10:40 p m Lv. Ringgold.....11:10 p m Ar. Kansas City.....6:25 p m Ar. Chicago.....9:55 a m Ar. Denver.....7:25 a m

Don't overlook the fact that train No. 2 saves you a whole business day en route to Colorado. Pullman Sleepers and Free Reclining Chair Cars on all trains. City Ticket Office, corner Fifth and Main streets. W. T. ORTON, C. T. A.

\$2.50 Book, Free! WE ARE GIVING IT AWAY

FREE PREMIUM To Our Subscribers



BY JOSIAH ALLEN'S WIFE. This book was written 'mid the world of fashion at Saratoga, the proudest pleasure resort of America, where Princes of the old world, with Congressmen, Millionaires, Railroad Kings, and Princes with their wives, their beautiful daughters, and all the gayest buteries of fashion, display their personal charms, costly jewelry, exquisite equipages, and revel in...

All the Extremes of Fashionable Disipation. "JOSIAH ALLEN'S WIFE," is a vein of strong common sense keeps the reader enjoying AN EVER FRESH FEAST OF FUN!

It takes off follies, flirtations, low-necked dressing, daddies, pug dogs, tobaccoginners, etc., in the author's inimitable and laugh-provoking style.

They say there is a sight of flirtin' done at Saratoga. I didn't hear so much about it as Josiah did, naturally there are things that he talked of more amongst men than women. I told him from the first on't that he'd better let it entirely alone. But he seemed so. He said "it was more fashionable amongst married men and women than the more single ones," he said. "It was dreadful fashionable amongst partners."

"Wall," says I, "I shall have nothin' to do with it." There was a young English girl aboard'n' to the same place who did. She dressed some like a young man, carried c cans, etc. But she was one of the upper 10, and was as pretty as a picture, and I see Josiah had kinder set his eyes on her as he ain't a good one to try his experiment with.

CRITICS SAY OF IT. "Delicious humor."—Will Carlton. "It is an evange of the keenest sarcasm on the follies of fashion."—Lutheran Observer.

"So exccruciatingly funny, we had to sit back and laugh until the tears came."—Weekly Witness. "Unquestionably her best."—Detroit Free Press.

"BITTEREST SATIRE, COATED WITH THE SWEETEST OF EXHILARATING FUN."—Bishop Newman.

HOW TO GET IT. Nearly 100,000 have been sold at \$2.50 each. But now we offer only to our readers, the wisest and most richly humorous book FREE. \$1. To every old subscriber who sends us

\$1 to pay his subscription for one year, and 10 cents to pay postage, we will send this book free. 2. Every new subscriber who sends us \$1 to pay for the paper one year and 10 cents to pay postage we will send the book free. Address

TEXAS STOCK & FARM JOURNAL, Fort Worth, Tex.

Subscribers to Texas Stock and Farm Journal who do not receive their paper regularly are requested to notify this office.



POTTER COLLEGE KENTUCKY'S IDEAL HOME-SCHOOL FOR YOUNG LADIES THE BEST FURNISHED SCHOOL IN THE SOUTH

SHEEP AND WOOL

AN EXPERT OPINION.

Notwithstanding the low price of wool, good sheep bring a fair price in the Middle and Eastern States.

DAIRY.

A MILK COOLER.

My milk cooler is a box large enough to hold all my milk and cream cans and butter crocks.

It does not matter how much or how little water is pumped into the vat at once, as it holds itself with the top of the hose all the time.

I had good sweet milk and buttermilk and fine hard butter all summer.

I do not pretend to practice or to know what is absolutely the best way to manage a dairy or to handle dairy products.

WASHING BUTTER.

I do not pretend to practice or to know what is absolutely the best way to manage a dairy or to handle dairy products.

FORT WORTH STOCK YARDS CO.

Competitive buyers now located here for Fat Cows, Light Beef Steers and Feeders.

SEND IN YOUR CATTLE.

Competitive Hog Buyers now on the market. Heavy and Light hogs in demand.

SEND IN YOUR HOGS.

Government recognized separate yards for handling of cattle that are privileged to enter Northern states for feeding or breeding purposes.

Bill Your Cattle Privilege Fort Worth Market.

Write for Market Information.

G. W. SIMPSON, W. E. SKINNER,

President General Manager.

THE UNION STOCK YARDS, CHICAGO.

Consolidated in 1885.

The Largest Live Stock Market in the World.

The centre of the business system, from which the food products and manufactures of every department of the live stock industry is distributed from.

The entire railway system of Middle and Western America centers here, rendering the Union Stock Yards the most accessible point in the country.

THE GREATEST HORSE MARKET IN AMERICA.

The Dexter Park Horse Exchange

With its dome lighted amphitheatre, with a tunneled driveway through the center an eighth of a mile long, and a seating capacity of 6000 people, is the greatest horse show arena in the country for the sale or exhibition of "trappy" turnouts, coaches, fine drivers or speed horses.

N. THAYER, JOHN B. SHERMAN, E. J. MARTYN, Resident, Vice Pres., 2nd Vice Pres.

J. C. DENISON, JAS. H. ASHBY, Secy and Treas., Gen. Supt.

KANSAS CITY STOCK YARDS

Are the most complete and commodious in the west and second largest in the world.

Table with columns: Cattle and Calves, Hogs, Sheep, Horses and Mules, Carr. Official Receipts for 1894, Slaughtered in Kansas City, Sold to Feeders, Sold to Shippers, Total Sold in Kansas City in 1894.

CHARGES—YARDAGE: Cattle 25 cents per head; Hogs, 8 cents per head; Sheep, 5 cents per head.

NO YARDAGE IS CHARGED UNLESS THE STOCK IS SOLD OR WEIGHED.

C. F. MORSE, General Manager. E. E. RICHARDSON, Secy, and Treas. H. P. CHILD, Asst. Gen. Manager. EUGENE RUST, Gen. Superintendent.

JOHN A. McSHANE, Pres. W. A. PAXTON, Vice-Pres. J. C. SHARP, Secretary and Treasurer.

SOUTH OMAHA UNION STOCK YARDS CO.

Largest Feeder Market in the World. Over 200,000 Feeders Sent to the Country in 1893.

RECEIPTS FOR NINE YEARS:

Table with columns: Year, Cattle, Hogs, Sheep, Horses. Receipts for 1885-1893.

We Want 150,000 Texas Cattle This Year.

W. N. BABCOCK, General Manager.

The Live Stock Market of St. Louis. THE ST. LOUIS National Stock Yards

Located at East St. Louis, Ill., directly opposite the City of St. Louis. Shippers Should See that their Stock is Billed Directly to the NATIONAL STOCK YARDS.

A. G. KNOX, Vice President. CHAS. T. JONES, Superintendent.

NEW COTTON BELT TRAIN

To the Traveling Public.

We take pleasure in announcing that, commencing September 30, 1894, the "Cotton Belt Route" will restore trains Nos. 1 and 2 on the Fort Worth division, giving us double daily service between Fort Worth and Memphis, in addition to our present double daily service between Waco and Memphis.

Please Note the Following Schedule:

Table with columns: No. 2, No. 4, No. 3, No. 1. Lists departure and arrival times for various stations including Waco, Hillsboro, Corsicana, Tyler, Fort Worth, Plano, Greenville, Sherman, Commerce, Mount Pleasant, Texarkana, Shreveport, Camden, Pine Bluff, Fair Oaks, and Memphis.

These trains are full equipped with Through Coaches, Free Reclining Chair Cars and Pullman Buffet Sleepers, between Fort Worth and Memphis and Waco and Memphis, without change.

A. A. GLISSON, S. G. WARNER, A. W. LaBEAUME, T. P. A., Fort Worth, Tex. G. P. A., Tyler, Tex. G. P. & T. A., St. Louis, Mo.

"SUNSET ROUTE."

Double Daily Train Service.

See list of through sleeper service.

New Orleans and Galveston,

New Orleans and San Antonio,

Galveston and San Antonio,

New Orleans and San Francisco.

All Connecting with through sleepers from

San Antonio to City of Mexico via Eagle Pass

Excursion tickets on sale from all coupon stations to California and Mexican points

ALL THE YEAR ROUND.

Through bills of lading via "Sunset Route" and Morgan line of steamers to and from New York, all points East and West.

For further information call on local agent, or address L. J. Parks, A. G. P. & T. A., Houston, Texas.

THE QUEEN & CRESCENT ROUTE.

Shortest Line New Orleans to New York, To the North and East.

Solid Trains New Orleans to Birmingham, Chattanooga & Cincinnati. Through Cars Shreveport to Chattanooga, and New Orleans to Washington and New York.

The Q. & C. affords the only line from Shreveport to Cincinnati, all under one management, with solid vestibuled trains from Memphis. Only one change Shreveport to New York on vestibuled trains. Through Sleeper New Orleans to New York. Direct connection at Shreveport and at New Orleans with Texas Lines.



SAN ANTONIO AND ARANSAS PASS RAILWAY COMPANY.

THE GRE Live Stock Express Route

From Texas Points to the Territories and Northern Markets. All shippers of live stock should see that their stock is routed over this popular line.

FARMERS & STOCKMEN

We Have the Most Complete Stock of Spring Wagons, Mountain Hacks, Buckboards, Drummers' Buggies, Family Hacks, Heavy Buggies.

AND EVERY KIND OF VEHICLE YOU COULD DESIRE. WRITE US FOR PRICES AND CATALOGUES.

REPAIRING, TRIMMING, PAINTING, A SPECIALTY!

We Carry Stock of All Parts of a Vehicle.

208, 210, 212, 214 Fort Worth, E. H. KELLER, Throckmorton St. Texas.

HOTEL RICHELIEU

FIFTEENTH AND MAIN, FORT WORTH, TEXAS.

Centrally located. Rates \$2.00. Special rates to day boarders. Telegraphic service in office.

J. D. Cunningham, B. F. Eubank, CUNNINGHAM & EUBANK, ATTORNEYS AT LAW.

ONE OF MANY.

Dunn, Tex., April 14, 1895. Publishers Texas Stock and Farm Journal:

My wife has received the Stock Journal sewing machine, and is well pleased with it.

Any erring girl can find a home by coming to the Dallas Rescue Home, 300 Peabody avenue, Chestnut Hill, Dallas, Texas.

The fact that Texas Stock and Farm Journal endorses "Samantha at Saratoga" is a sufficient guarantee that nothing shoddy in appearance or make-up is offered.

Passenger: What makes this train go so all-fired slow this morning? Conductor: There's a messenger boy just got aboard and is going to the next station.—Yonkers Statesman.

No Risk

In Vacuum Leather Oil. Get a can at a harness- or shoe-store, 25c a half-pint to \$1.25 a gallon; book "How to Take Care of Leather," and swob, both free; use enough to find out; if you don't like it, take the can back and get the whole of your money.

Sold only in cans, to make sure of fair dealing everywhere—handy cans. Best oil for farm machinery also. If you can't find it, write to VACUUM OIL COMPANY, Rochester, N. Y.

THE GREAT TEXAS STATE FAIR.

The tenth annual entertainment of the State Fair will open October 19th and close November 3d.

Announcement is made to the effect that preparations are being made and an effort will be put forth to make this season's fair and exposition the grandest in the association's history.

As an indication of this fact, a contract has already been closed with Sousa's Peerless Military band, composed of fifty leading musicians, a musical organization pronounced by both the press and public to be unequalled by any band of this country or any other country.

To secure this superb attraction the management were necessarily compelled to undergo quite an expense, but appreciating the liberal patronage the people have at all times bestowed upon the fair, and desiring to present to them something of unusual merit this season, in the musical line, the management know of no organization that would more than fill the expectations of visitors than this band, and the assurance is given by the fair people that the entertainments that will be presented each day by this eminent leader and his band will be well worth coming to the fair alone to hear, to say nothing of the many new and meritorious features that are added to the exposition this season.

"THE IRREPRESSIBLE SAXBY."

Send 10 cents in stamps for a handsome copy of the volume "Snap Shots," by the Irrepressible Saxby, W. C. Rinearson, General Passenger Agent, Queen and Crescent Route, Cincinnati, O.

Sent at once. Only a limited edition.

The Stock Journal Sewing Machine is one of the best machines made. It is one of the oldest and best known makes on the market, and our name is put on it simply because we sell them so low an agent could not afford to handle them if the old name were used.

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