

THE FARM.

Some of the small grains should be planted every fall for pasture, if for no other purpose.

The farmer who does not read agricultural literature as given in books, papers and bulletins of the experiment stations is not utilizing all the available opportunities for advancing his interests.

The winter is coming in with plenty of wet weather and all the farm machinery, implements and wagons that are left exposed to it are losing in value all the time.

There will be many days between now and spring when the farmer can do no outdoor work. These need to be filled days.

By Wm. Lomas, Dallas. It is scarcely possible to write too strongly on this subject.

By Bartlett (Williamson county) Right Thing: Indications are that the cotton receipts for this place for the season will be about 4000 bales short of what they were last year.

Orange Leader: The latest addition to the diversified industries of Orange county is a big strawberry farm.

THE COTTON ACREAGE. From one of the best sections of the state it is reported that the farmers there will next year plant 100,000 acres more than they did last year.

Twenty Years Proof. Tut's Liver Pills keep the bowels in natural motion and cleanse the system of all impurities.

"Can't do without them" R. P. Smith, Chilesburg, Va. writes I don't know how I could do without them.

Tut's Liver Pills. A great new book by a Southern author, "The United States in the Far East," or, Modern Japan and the Orient, by Hon. Richard B. Hubbard.

FOR PIANOS OR ORGANS. Write the great Jesse French Piano and Organ Co., 231 Elm, Dallas, Tex.

Make up your mind to buy and send us \$1 and receive the greatest value ever offered by any publishing house.

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ORCHARD AND GARDEN.

Spinage, or spinach, is a well known esculent of the easiest culture and not enough in use.

At Purdu University, Indiana, the tomato vine has been successfully grafted on the Irish potato.

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FARM AND GARDEN NEWS.

A commission house of Greenville, Tex., has sent out for the holiday trade over 10,000 turkeys, raised in Hunt county.

Brownwood Banner Bulletin: The rains of the past week have again put the west Texas country in the swim.

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Lampasas Leader: More fine rains have fallen this week, and the farmers have reason to rejoice.

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EXPERIMENTS IN FEEDING STEERS.

Conducted at the Texas Experiment Station.

At the request of the Texas Live Stock Association, the Texas Experiment Station has conducted an experiment in feeding steers, and in the brief report following, kindly furnished to Texas Stock and Farm Journal.

The feeding experiments conducted by the Station at the request of the Texas Live Stock Association are in the printers' hands and will be ready for distribution within a few days.

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GENERAL NEWS.

The citizens of Decatur, Tex., are making an effort to have a cotton mill.

A meeting for the purpose of organizing a poultry breeders' association was held at Weatherford Dec. 23.

W. J. Turner has bought from parties in Ballinger 3227 acres of land on Valley Creek, in Runnels county, at \$2.50 an acre.

Dr. J. R. Grayson, a pioneer citizen of Grayson county, died at his home in Preston in that county early on the morning of Dec. 22.

Orange Leader: There are millions of feet of tupelo gum, oak, ash, walnut, hickory and cherry timber accessible to Orange that would afford all the material necessary for a furniture factory in Orange as an ideal location for such an enterprise.

There was snow on the line of the Texas and Pacific Dec. 19, extending from Baird as far west as Sierra Blanca. At Colorado it was reported to be six inches on a level.

Brownwood Banner-Bulletin: The Cotton Mill matter is by no means dead. It is looking closer after his own affairs, but when the holidays are over, the cotton mill question will be again taken up and no doubt pushed to a successful termination.

Dwight L. Moody, the famous evangelist, died at noon, Dec. 19, his residence in East Northfield, Mass. He had for some time suffered with heart trouble and broke down at Kansas City Nov. 16.

Rockdale Messenger: There will be a public meeting at the city hall in Rockdale at 1 o'clock on Thursday, the 4th of January.

The twenty-ninth annual meeting of the Kansas board of agriculture will be held at Topeka Jan. 10 to 12 inclusive.

A dispatch of the 23d of December from Washington D. C., says: The United States supreme court to-day rendered judgment in cases involving private grants in New Mexico, both opinions being by Judge Peckham.

Constipation, Indigestion, Bileousness, Sick Headache, in men, women or children, cured by BEECHAM'S PILLS.

LIGHTNING WELL MACHY IS THE STANDARD FOR PUMPS, AIR LIFTS, GASOLINE ENGINES, WRITERS FOR CIRCULARS, ETC.

GOLDMETER for locating Gold, Silver, Copper, Lead, Zinc, Iron, and other minerals. Write for our catalogue.

THE STORRS & HARRISON CO., BOX 918, FAINESSVILLE, OHIO. FRUIT AND ORNAMENTAL TREES, SHRUBS, ROSES, BULBS, ETC.

SEED CORN THAT PAYS. \$1.00 PER BU. bags free. Send \$2.00 in stamps for 5 packages of 5 varieties of corn.

DOES ANY PERSON DISPUTE? PAGE WOVEN WIRE FENCE CO., ADRIAN, MICH.

\$3188 OUR PIASA BIRD SULKY. We challenge any pilot for good work. Light draft, easy handling, we have thousands of testimonials from all sections.

FREE GUN. CATALOGUE. CAMP OUTFITS. CAMERAS. SETS. SEINES. SEWING MACHINES. SCHMELZER ARMS CO. LARGEST AND KANSAS CITY, MO.

5 TON WAGON SCALE. \$395.00. SCALES SENT ON TRIAL TO RESPONSIBLE PARTIES. CATALOGUES FREE. DROP US A POSTAL.

THE BEST PLOW on Earth at any Price. Double Board Harrowed and all other plows and implements. Write for catalogue.

A HOT PROPOSITION. We wish to place a HARPER BALL BEARING FIBRE on every farm in the state.

DISC HARROW. \$125.00. \$175.00. \$225.00. \$275.00. \$325.00. \$375.00. \$425.00. \$475.00. \$525.00. \$575.00. \$625.00. \$675.00. \$725.00. \$775.00. \$825.00. \$875.00. \$925.00. \$975.00. \$1025.00. \$1075.00. \$1125.00. \$1175.00. \$1225.00. \$1275.00. \$1325.00. \$1375.00. \$1425.00. \$1475.00. \$1525.00. \$1575.00. \$1625.00. \$1675.00. \$1725.00. \$1775.00. \$1825.00. \$1875.00. \$1925.00. \$1975.00. \$2025.00. \$2075.00. \$2125.00. \$2175.00. \$2225.00. \$2275.00. \$2325.00. \$2375.00. \$2425.00. \$2475.00. \$2525.00. \$2575.00. \$2625.00. \$2675.00. \$2725.00. \$2775.00. \$2825.00. \$2875.00. \$2925.00. \$2975.00. \$3025.00. \$3075.00. \$3125.00. \$3175.00. \$3225.00. \$3275.00. \$3325.00. \$3375.00. \$3425.00. \$3475.00. \$3525.00. \$3575.00. \$3625.00. \$3675.00. \$3725.00. \$3775.00. \$3825.00. \$3875.00. \$3925.00. \$3975.00. \$4025.00. \$4075.00. \$4125.00. \$4175.00. \$4225.00. \$4275.00. \$4325.00. \$4375.00. \$4425.00. \$4475.00. \$4525.00. \$4575.00. \$4625.00. 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SWINE.

The health of hogs does not depend in any measure on the promiscuous feeding of drugs...

POULTRY.

Remember that the fowls are now out of the meat diet, worms and insects which they get by grazing during the warmer months...

LIVE STOCK NEWS.

T. P. Rush of Tulla, Tex., has sold his ranch to Nat Perkins of Hardeman county, consideration \$10,000.

The Cowy Odor



which is so prominent in much of the dairy butter, and which is so offensive to many people...

DAIRY. In arranging your places for farm work next year provide for a silo and for stuff to fill it.

During the cold rains of winter the dairy cows should have shelter and should not be out enough at any time to become chilled.

Harold & Briggs sold to the St. Louis market Monday of last week one car of grade Herefords, average 1217 pounds, at \$5.35.

A great many horses are being brought in Kansas City for export to England...

The Kansas State Live Stock association will hold a meeting at Emporia for the purpose of taking action to protect shippers of cattle against railroad abuses.

Midland Gazette: Ed Townsend sold 142 head of Hereford bull calves from his figure 2 herd...

In Bulletin No. 165 the New York Bulletin says: In Cornell, it is discussed at length the subject of ropiness in milk...

Henrietta People's Review: The unprecedented fall rains "washed out" the substance of the grass...

SCOURS IN CALVES. Calf scours are usually due to one or more of three causes: First, and most frequent, damp, ill-ventilated and filthy quarters...

San Angelo Enterprise: Harris Bros. sold to private parties 1100 steers, three, at private terms, spring delivery...

PASTEUR BLACKLEG VACCINE. Editor Texas Stock and Farm Journal: The following are extracts from letters recently received which explain the nature of this vaccine...

Red Polled Cattle. Reach well below quarantine line. Cattle can go to any part of Texas without risk of infection...

Ed. Rodgers, Breeder of registered Shorthorn cattle, based near Chickasha, Okla. Has a double standard bull...

Red Polled Cattle. I have for sale, three miles from Beville, a fine lot of pure bred Red Polled Cattle...

W. J. STATON, Beville, Texas.

SUNNY SLOPE HEREFORDS.

I have 22 head of two-year-old heifers, bred; 15 boys and 25 yearling heifers, that I desire to sell at once...

C. A. STANNARD, Emporia, Kansas.

GRANDVIEW HEREFORDS.

Grandview Farm, which is the largest Hereford breeding establishment west of the Missouri river, is devoted to the breeding of the most desirable strains of Herefords...

C. G. COMSTOCK, Albany, Mo.

NELSON & DOYLE, Breeders of Thoroughbred Hereford Cattle.

And the largest dealers in the world in thoroughbred and high grade Herefords and Shorthorns for the range.

Nelson & Doyle, Room 222 Exchange Building, Stock Yards, KANSAS CITY, MO.

The Hereford Home Herd of Herefords ESTABLISHED 1882.

CHANNING, HARTLEY COUNTY, TEXAS.

1898 - CHAMPION HEREFORDS - 1899 F. A. NAVE, Attica, Indiana.

FAIRVIEW STOCK FARM, BREEDERS OF PURE-BRED HEREFORD CATTLE AND SHROPSHIRE SHEEP.

Champion at Syracuse, N. Y.; champion at Indianapolis, Ind.; champion at Springfield, Ill.

BULLS! BULLS!

I have on hand June 1st, at Denver and Pueblo, Colorado: 5 carloads very high grade Herefords...

These cattle are all finely selected, no culms, well marked and in splendid condition for immediate use.

JOHN W. LOWELL, Denver, Colo. Home Creek Hereford Ranch.

Twenty-one Registered Bulls in Usa. 20 Yearling Bulls. 80 Bull Calves. 75 Heifer Calves for sale.

Sunny Side Herefords. 9-Top Shorthorn Bulls-9

For sale at a bargain if sold at once. From one to four Cuckoo-bred crosses, good colors, low-down, sturdy fellows...

Hereford Cattle of Rich Blood. Drummond Farm Herd.

Reach well below quarantine line. Cattle can go to any part of Texas without risk of infection...

Ed. Rodgers, Breeder of registered Shorthorn cattle, based near Chickasha, Okla.

Red Polled Cattle. I have for sale, three miles from Beville, a fine lot of pure bred Red Polled Cattle...

HEREFORDS. SCOTT & MARSH.

Breeders of Pure Bred Herefords. 150 young bulls and heifers of our own breeding at private sale...

Bulls for Sale. W. J. STATON, Beville, Texas.

Rockwell Co. Herd of Poland China Swine

Headed by the great Joe White No. 6077, Hamer's champion...

POULTRY. Breeding Scrubs Don't Pay.

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White and Black Langshans, Barred White and Buff P. Rocks, Rowan and Buff Lophors...

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Whole herd open to the season. Handle strictly my own raising. Correspondence solicited.

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HOUSEHOLD.

Address all letters for this department to Mrs. E. S. Buchanan, 514 Mason Street, Fort Worth, Tex. Correspondents are kindly requested to write only on one side of each page. Please do not forget this.

THANKSGIVING DAY.

John Howard Jewett. Thanksgivings days! How many we have known, Yet now we walk with silent years alone. Alone? Dear ghosts, forgive the idle world, 'Twas but the peevish plaint of age you heard, When age forgets November is not May, Or with dead yesterday blots out today. Thanksgivings dead? Nay, nay, we meant it not; Not one is dead, or lost, nor one forgot; They live to bless us, near and hearts grown, The dear Thanksgivings days our hearts have known.

Come, gentle ghosts; the embers of the years Still glow with warmth, November sunshine cheers. 'Round memory's hearthstone gather as of yore And sit on wall of "days that are no more." Come, joyous ghost, with boyhood's eager zest, Through all the years between we've loved you best. Bring all the children's children gathered there 'Round the long table of Thanksgiving fare; Bring back the fragrance of that chicken pie, Nor dare to tell us such Thanksgivings die. Now we sing the old-time songs we know, And never, never any older grow.

Come, busy ghost of manhood's earnest prime, We're home again, just for Thanksgiving time, Four generations glad with us here To share the one glad love-feast of the year. Still on the table's head the oaken chair— Grandfather's "blessing" lengthens to a prayer, While close beside, dear grandma's cheery face I can sympathize with you. Lends loving benediction to the grace, From whitened age to tender babyhood. The smiling greetings pass—the dinner's good! Ah, ties like these but strengthen with the years, Though paths diverge and life has room for tears, We're glad you came, dear ghost, to join the throng, For our Thanksgivings last the whole life long.

The smouldering embers on the hearth grow bright As twilight deepens—shall we say "good night"? Nay, let us linger, bid the twilight sweetly meet— a perfectly happy home. And blend our present joys with joys long past. Dear faithful ghost, of all we love the best. Go sunny her the One of all the rest Who crowned Thanksgiving day when life was young; Bring all the dear old songs our mother sang; The evening hours shall gladden as they pass, Till God, the Giver, shall turn down the glass. Stay with us gentle spirits, while we stay, And let us all come home Thanksgiving Day.

TO HOUSEHOLD.

It is with much pleasure I introduce a new member this week, whose letter hid itself to keep a pleasure for us until Christmas, I suppose. Kirkland is most cordially welcomed. It is so refreshing to meet a perfectly happy wife. I, too, advise girls to marry Scotchmen—if you can. I could write pages on delightful characteristics I know of Scotchmen. But there are other delightful men, too. I hope Kirkland will write again soon. I do not know where to place to fault in her letter's long delay. But I am sure for the Household, it is better late than never.

Roann has our deepest sympathy in her sorrow. But perhaps the reason her idol was taken was that her affections were too much centered there. Think of the dear husband and the bright little girls and let the sunshine of your life once more. We do not live to grieve for the departed, but to cheer the living. Our duty is there.

Little Violet is welcome. Is your chicken white or black? Am glad to hear from Lily of the West. Hope some day to visit that canyon.

What is the matter with Auntie that she gets so many scoldings? Her letter sounds like she was a bright, happy body. I want every young girl in the Household to read carefully Anxious Mother's letter, not only to read, but to heed all Anxious Mother says. Every mother is an anxious mother, and her heart aches to give good advice to the inexperienced.

Billie's letter in support of Maude is a surprise, as once Billie was one of my best friends. Perhaps I am totally ignorant, as he suggests, or warped. But if he will read carefully he will see there has never been anything from me saying women were more selfish and deceitful than men. Morally she is man's superior. Intellectually he is not. If declaring she is would make it so, I would declare with all the force of my lungs and pen, but can not make it true. Would modesty not require her to be satisfied with being man's intellectual equal, not superior. Billie has given me a genuine heart-ache for a Christmas present. Let me ask Billie this: If I am to really help women to nobler and better living, how can I best do it, by telling them of their virtues and good points always? No. But by holding up the faults of woman-kind and saying "Avoid such and such." I know the faults and weaknesses of women, for I am a woman and have them all. Neither you nor Maude entered into the spirit of what I wrote. It was not condemnation of woman and elevation of man.

Oleander's letter is very good, indeed. I am glad for it to follow Billie's. I am so glad she understood me

and took me aright. Perhaps we suffer more from being misunderstood than from being understood. I wish I could believe that the post says it is true—that to be great is to be misunderstood.

Dewdrop writes a good letter to "Friendship." It is far better to be beyond words. Blue-Eyed Kate ever hear the song, "Only a little flirting, only a man's heart broken"? Think of what that means—only a little fun, is it fun? When there is playing with fire some one must be burned. Stop thinking in that way, Kate. There is no fun in flirting.

Panhandle Pearl is gladly welcomed. Am glad she does not agree with Blue-Eyed Kate on flirting.

Am so glad to hear Very Choice again in Household. Hope she is happy with her family now, but in her happiness will not forget the Household. Her letters are good.

Dutchie is always welcome. Yes, write on more than one sheet of paper but only on one side. I have a most delightfully encouraging personal letter from one who used to be a member of Household, and is now a reader. Glad she keeps up with the Household and thank him for his words of encouragement. What a happy ripple every word of kindness creates. What a pity more are not thrown into the stream of life.

A LITTLE SCHOOL GIRL.

Dear Mrs. Buchanan and Household: Will you be so kind as to admit another earnest admirer into your circle? I like the subjects being discussed now. I am going to school and am in the fourth grade. My papa is a stockman and takes the Journal.

There are five teachers in our school and a music teacher and an elocution teacher. I am taking elocution and like my teacher so much. I have a pretty little chicken named Bant. We have 288 scholars in our school. I must close, with love to all.

A NEW MEMBER.

Dear Mrs. Buchanan and Household: As I have just been reading the Household letters, I have decided to try my hand in writing.

Saucybox, your letter was simply grand. Give us another chat like that real soon. Sorry you got so many scoldings. I can sympathize with you. I am always getting scolded. Like Dutchie, I am a good way from home. Come again, Dutchie. Your letters are always good. I see a good many of the Household are giving the cowboys a bad name. It is true that there are some cowboys that are of no account; but there are some just as good boys among the cowboys as you will find anywhere. They are true-hearted and kind to every one. My opinion is that they are much better than these city chaps that drink and think they can't be a man unless they have a cigarette in one corner of their mouths. I guess you all have a pretty good idea I live among the cowboys.

Mayflower, your letter was grand. Come again, with one of your good letters.

Well, as I am a new member, I guess I had better stop. If I am welcome, I will come again. I will send Mrs. Buchanan my real name, but will keep my name. AUNTIE.

GOOD DESCRIPTION OF A NATURAL WONDER.

Dear Mrs. Buchanan and Household: Having noticed so many good letters in the Household this week, I have decided to try one myself.

I will tell something about the Tule canyon, as I live close to it. This canyon would be a curiosity for most of the Household to see, as it is about 1000 feet deep and is nearly one mile wide. The people from the surrounding country get their wood from this canyon. They draw it or pull it out on long wires.

This fall we had a very heavy hail storm and it drifted about 300 head of cattle over the deep bluff. The flood of water washed out trees that seemed to be a hundred years old. It certainly was the heaviest rain since "Noah's flood."

It is about eight miles from our home to the place where General McKenzie, in 1872, captured so many Indians and killed all their horses. It is reckoned that 1400 was the number of horses killed. There are a good many old relics to be found there yet in the way of arrows, bones and spee poles.

I hope Panthe Fry will favor us with her description of Greece. While I delight to read of foreign lands, I am pleased with the plains of Texas. I will close, with love to the Household. If this I see in print, I will try my luck again.

LILY OF THE WEST.

Silverton. OUR SYMPATHY IS HERS. Dear Mrs. Buchanan and Household: Good morning to you all. It has been so long since I wrote I don't expect any of you will remember ever seeing my letter. I have a great deal to tell you. I will write you my letter in print, and will thank our dear address for being so kind as to print my last letter.

I have missed some of the letters and don't know what the badges are; but let them be ribbon or silver or gold, I want one, and if we have them to buy, please say what they will cost.

I didn't get to go this year. I know the dear Household will sympathize with me in my sad bereavement. I have two little girls, and we had a home born 7th on this month. God called it home. Oh, how my heart longs for my sweet baby boy! But I try so hard to be comforted with my lot; but it seems that my whole soul was centered in my baby boy. I pray and hope to meet him in a better world.

If I could only write good letters like some do, I would feel so proud. I dearly love to read it, but I am partial to our address. She gives us all so much good advice. If young girls would only listen to her, they would not be flirting with every boy that went with them.

I close, with much love to all the cousins and a good share to Mrs. Buchanan. ROANN.

ONLY A LITTLE FUN.

Dear Mrs. Buchanan: Will you admit a stranger into your happy and interesting circle for a few words to the cousins?

I enjoy reading the letters so much and think you have so many able writers. I live in the Panhandle, where

the wind blows all the time (almost). Horseback riding is the most enjoyable we have out here in the extended part of the west.

As I have only been a Texas girl a short time I do not know much about the cowboy; but I believe them to be a good-hearted set of boys. And as for flirting, I think it real nice (for a little fun now) and then is relished by the wisest men. I do not think it any harm to flirt just to pass off the time and to keep up with the boys; but jealousy I do not think exists with real love, for where there is love they trust, and where they trust there is no jealousy. But I may have had down wrong. Perhaps I have never loved enough to be jealous, as I am too young to think of love.

Now, in conclusion, I will say I think it is a hard subject to discuss which is the most selfish, man or woman. I will agree with ignorance. I think they are growing more so every day. A friend in need is a friend indeed, for they are few and far between, and when we find one, we must be true, we had better never exchange an old friend for a new one.

Well, I know Mrs. Buchanan is frowning now and wishing I would stop this little letter; but if it does not find that awful waste-basket, I will try and do better next time.

Love to Mrs. Buchanan and all the cousins, I am BLUE-EYED KATE/Canadian, Texas.

A SURPRISE.

Dear Mrs. Buchanan and Household: Having been silent for sometime, I again come in defense of woman. When Mrs. Buchanan's remarks were read sometime ago, that woman was more selfish and deceitful than man, there was a murmur of indignation heard over the room. I was asked to write an article in woman's defense, but I knew that a stir it would cause in the Household, so for the sake of harmony I withheld my criticism.

When Maude had the grit to come forward and speak in behalf of her sex, I just threw up my hat and cheered her three times. Every word she wrote is true and volumes could be written to prove woman's superiority, both morally and intellectually. It is true that woman has her weaknesses, but for a woman or editress or any other, to assert that woman is more selfish or deceitful than man, is either totally ignorant of the male character, or else so wrapped up on man that they can't see their faults.

Maude, men don't like to be told that they are naughty. They want to be fondled and flattered; to be thought good, noble and pretty. They like for the women to think them brave, truthful and virtuous, possessing the wisdom of Solomon and the strength of Hercules. I have not the time to produce an argument. I just want to shake hands with Maude and let her know that I will stay with her, and will have the sympathy of legions who have not courage to let it be known through the columns of the Household. Maude, we can smile at the sharp criticisms that will be hurled at her. Let them call us narrow, impatient and foolish. We can look down from our perches above and smile at the whirl and commotion below.

FOR DAVIS, TEXAS.

A GOOD LETTER LONG DELAYED. Dear Mrs. Buchanan and Household Friends: For quite a while I have wanted to write you an article in your popular paper, Texas Stock and Farm Journal, and of its splendid Household Circle, so can no longer refrain from asking (to pardon me if I am too bold) if you would be so kind as to let me have an occasional "confab" with this happy social band?

Although we proceed let us with bowed heads ask God's choicest blessings upon us through the coming New Year, and all through life. Our home would be desolate should we be bereft to discontinue the receipt of this Journal, so kindly and how could we "navigate" without the occasional visits of its congenial agent, Bro. C. C. Poole. He is the right man in the right place.

rendering ourselves miserable and all around us. Well, as this is my first, I guess I had better make my exit, and if our kind editor will be so good as to publish it, I will try and write again, but if not, I will still remain a silent admirer. Much love to all. I am, CANADIAN, TEXAS.

WHO HAS A TRUE FRIEND?

Dear Mrs. Buchanan: With your best wishes, I have written the first letter fell so far below the average letter that it did not even stop at your table, but just kept on to the outside basket.

I believe that Friendship is being discussed just now. How few of us know the real meaning of this word. I dare say there are but few of us that can ever say that I have one true friend. I sometimes think there is no perfect friendship, but then I know everything in this world is characterized by imperfection. The best people have many faults. The poorest and meanest sees through a glass, darkly. The purest heart is not without a spot. All the intercourse of society, all the transactions of business, all our estimates of human beings are more or less based upon the sad assumption that we cannot wholly trust either ourselves or our fellowmen. Every heart has its grief, every house has its skeleton, and every character is not correct in making the assertions she made as to men being more honest than women in the small things of life.

The talkative listen to no one. They are more willing to hear than to speak. I wish to hear what some of the other cousins have to say I had better be a silent one. OLEANDER.

D'ARNONE, LA.

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My dear Saucybox, I wish we could be together. Oh! wouldn't we have nice times? And you know my dear schoolmate Ella Mullinix. Where is she now? Is she married? How long it has been since we stood together in our class as little school girls, but we love each other as sisters.

I feel very grateful to Mrs. Buchanan for her kind words and for her favorties and hope to always be worthy of her nice compliments. Mrs. Buchanan can we use two sheets of paper in writing to Household and write only on one side of both sheets?

I am writing the youngest of the three White Sand girls who lived there four years, must know Tularosa, the other two girls being sisters, are married and live now in San Antonio. I am acquainted with Tularosa and LALUZ, New Mexico. I suppose father and brother must have attended some of those roundups Tularosa spoke of in his last letter, as that father has been a cowboy. I would like to know which one of the LALUZ boys you are. Nearly six years we have passed since we left there and came to the Oklahoma Territory.

I have dear chum living at Willow City, she and her husband are now teaching school there, Professor O. R. Belamy and wife, she is my best chum. I often get letters from her, you should get acquainted with her, she is as good as gold.

As I have not had any experience in marriage, I let sister write for me on that subject and I'll listen. I think it would be nice for all girls to write recipes for cooking all kinds of nice things to eat that we may all learn to be good cooks. I will write all I can if others will. Perhaps Grandma will assist us girls, and the married ladies and Mrs. Buchanan. Perhaps some of the boys would like to learn to cook. As I have stayed a long time, I'll bid you good bye. Love to all. If I do not fall into the waste basket, I will come again soon. Kindest regards to Mrs. Buchanan. I am your Household friend, DUTCHIE.

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Young ladies should enjoy the society of young men, and admire their good traits of character and nobility of soul, and not rave over the cut and comb of the hair and the set of their suit. It is the high privilege of girls to direct, to a great extent, the conversation of their admirers. I really believe that it is a point to have something ennobling to talk about, young men would do the same thing. They would not go a second time into the company of such a man. I have seen a young man tend to the elevation of society and lead to reading better literature and more of it.

And, girls, don't kiss the boys, not in real life, but in particular, really and truly believe there is no appropriate time to kiss your intended until the ceremony has been performed. I have a case will save you many regrets. You may have a lover very ardent, and you may be engaged to him, who will declare to you he would never marry any woman who will not kiss him first. Let us be wise. If he loves you as he should, he will respect your firmness. I have one, sweet little daughter, twelve years old,

and as dear as she is to me, I would prefer to see the coffin envelop her now than for her to grow to be an empty bed flint, kissing the boys, or one boy.

But I must apologize for my first letter being so long. So bid you all adieu, with best wishes for Mrs. Buchanan and her circle. ANXIOUS MOTHER.

ON FRIENDSHIP.

Dear Mrs. Buchanan and Cousins: I will again attempt, in my feeble way, to write, as my first letter escaped the waste-basket.

My first letter I forgot to state that I had one brother who was a cowboy, and a very dear brother he is to me. I, too, like other girls, love to go horseback riding. I have a pretty pony and saddle, and there is nothing I enjoy better than riding.

I will now say a few words on "Friendship." Friendship is a rare and precious plant, and is found in its purity and power only here and there among the host of men and women who dot the earth's surface by their moving forms and faces. It is never purely selfish, as love frequently is; but the nearest thing to the loves and joys of the angels above is the earthly "friendship" of two human spirits. For instance, two girls become attached to each other in the ties of friendship, that are as sweet and charming as their own pure and fresh natures. Before friendship is not correct in making the assertions she made as to men being more honest than women in the small things of life.

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historian, although the limits of this article are far too circumscribed to admit of any but the briefest reference to the work of the rangers, as a whole. I shall rather confine myself to telling of some of the more notable events, and enclose in the service of the state and endeavor to give in sketchy outline an idea of our life from day to day in camp and in the saddle.

Capt. L. H. McNally, who had achieved fame throughout the Southwest as a leader of irregular cavalry in the Confederate service during the war, was in command of the ranger company which I joined at the age of 19 on the Rio Grande border. There were but little more than forty men in our company, but the first work we were set to do was to put an end to the cattle stealing by the thousands of Mexican raiders along the Rio Grande, a task which had proven too great for the many United States troops stationed along the river. The raiders were well organized and had carried on their depredations for years. They were fine horsemen, expert plainsmen and courageous fighters when cornered. Their leaders were notorious bandits, who had fought their way to their places of command.

But although the rangers in our troop were little more than boys—they ranged from 18 to 25 years of age, and McNally himself was under twenty—they did not shrink from the work ahead of them. The captain had picked his men from thousands of applicants, and the result proved how speedily he could judge men. I doubt if such a fearless body of young daredevils ever took the saddle in the service of any state as were McNally's Texas rangers. But there was nothing of the border ruffian "cowboy" element in the make-up of the troop. They were all well educated young fellows, many of them college graduates, in whose veins flowed the best blood of the South and Southwest. They were real "gentlemen adventurers"—not of a kind, however, with those who called the Spanish main.

They had sought excitement out on the open prairie, where wild cattle and wild horses still roamed at will, and where the last herds of buffalo yet grazed, but the ranger company offered superior inducements to such as they, and it was with real and enthusiasm they entered the service of the state.

Under McNally we found all the adventure we sought and to spare. In the three years I was with the company we had nearly 30 open battles with Mexican raiders and Texas desperadoes of any number of minor encounters with them. We arrested over 2000 outlaws in that time, and broke up gang after gang of horse thieves and cattle thieves and murderers who roamed over the western part of the state.

We literally lived in the saddle. We carried our blankets with us, and wherever darkness overtook us on the plains or in the chaparral, there we lay on our backs, and there we slept. One occasion had so much as the shelter of a tent over me at night. If it rained we pulled our hats over our faces—for rain drops are cold when they strike the bare skin at night—and I slept the sleep of tired children after a hard day's play. If it snowed we hid the snow away a white covering to our beds and slept the sounder for it. But frequently we rode all night long to be where we could surround some desperado hideout at dawn and arrest—or kill, if they showed fight—those whom we sought.

Well armed with six-shooters and carbines, fearless riders, ready at all times to seek danger, quick with a sword and well able to shoot straight, McNally's rangers were a formidable body of men, and it did not take long for their fame as fighters to spread from one end of the state to the other.

One day we were ordered to pursue a body of Mexican raiders five miles into Mexico and fought them there. They outnumbered us more than ten to one and they fought their best, but we killed 27 of them and finally brought the others to terms and made them surrender the cattle they had stolen. At another time 17 of the rangers met 14 of the Mexican raiders in an open prairie and attacked them under a hot fire. They killed one of our number, but we killed the whole 14 of them.

With 25 men we went to the stronghold of King Fisher's great band of desperadoes, numbering hundreds of the most desperate outlaws in Texas, and fought them to a standstill, scattering the band and killing a number of the worst men in it. They then fled to the mountains and there they remained until they were arrested. With 17 men, under Lieut. Jesse Lee Hall, we succeeded in putting an end to a feud of 40 years standing in DeWitt county, although both sides, numbering hundreds of men, were arrayed against us. We made 120 arrests in that county in one month—most of them for murder. We pursued and captured stage robbers, train robbers, bank robbers and any number of lesser criminals who had successfully defied the efforts of the sheriffs and other peace officers, and once we put down a serious railroad riot by simply riding on the scene, giving a few yells and firing off our six-shooters in the air. The rioters disappeared so quickly that we hanged. Never were men more obedient to their superior officers in time of action than the rangers and probably in no like organization was there ever such a lack of "military discipline" when there was no work to do. The officers treated the men as their social equals, as they were. We were not "soldiers" and hardly of the material of which soldiers are made.

But very few of McNally's Texas rangers are alive now. Many of them went "over the range" in the service of the state. A few of the survivors will be at San Antonio at the rangers' reunion, but their hair will be streaked with gray and the weight of years will be on their broad shoulders—for the times of which I write are those of nearly a quarter of a century ago.

In all truth it may be said that no body of frontier constabulary in the history of the world ever held such a record for bravery and effective work as the Texas rangers. They have been magnificent fighters ever since the time when 40 of them fought their way through Santa Anna's army to the Alamo to join its little band of desperate defenders, and there gave up their lives with Davy Crockett, Jim Bowie and Travis.

Those men were the original Texas rangers, and their example has ever

PREMIUM NO. 20. GARDEN SEEDS.

A package of seeds, as per list below, will be sent to every reader of the Journal who will send us a new subscriber for a year at \$1.00, cash with order.

- Vegetables. 1 pk. Best Crosby's Egyptian..... 5c " Cabbage, Early Wm. 5c " Sweet Corn, Early..... 5c " Cole, White Plum..... 5c " Lettuce, Early Frise Head..... 5c " Cucumber, Early..... 5c " Melon, Sweet Water..... 5c " Pumpkin, Celebrated Rock Ford..... 5c " Squash, Summer..... 5c " Pars, Earliest and Best..... 5c " Turnip, Hollow Crown..... 5c " Spinach, Victoria..... 5c " Squash, Summer..... 5c " Watered Hubbard.....

LIVE STOCK NEWS.

A six-inch snow was reported at Fort Davis on the 19th.

Jacksboro Gazette: John Hensley, Hugo McKip, Roy Jackson and L. I. Hensley are each feeding a lot of cattle for the market...

West Texas Stockman: Ed Scoggin of Eddy, New Mexico, bought 100 head of calves from Ben Van Tuyl at \$13.

Campbell Russell, a Shorthorn breeder of Bennett, T., marketed in the quarantine division at Kansas City Dec. 20, 12 yearling Shorthorn steers...

Dr. W. O. Bye, Kansas City, Mo., writes: "Dear Dr.—Please allow me to thank you for what you and your medicine have done for me."

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STRONG MEN! Men of Nerve, Men of Muscle, Men With Confidence, Men With Fire and Vigor of Youth! SUCH ARE THE 10,000 MEN...

DUPLEX BELT POWER PUMPING JACK. Well Drilling and Pumping Machinery, Pumping Jacks and Horse Powers, Gasoline Engines. ALAMO IRON WORKS, San Antonio, Texas.

THE BEST ON EARTH The Dandy Windmill Special Mills for Ranchmen. Why it is the Best. It is the strongest built, it is the most perfectly regulated...

"Pasteur" Black Leg Vaccine. THE ORIGINAL Genuine and Successful Preventive Vaccine. In Powder Form "Single" Vaccine \$1.50 per packet...

The Farm and Home Mechanic AND COMPLETE SELF-INSTRUCTOR. A WHOLE LIBRARY IN ONE BOOK. FULL COMPENDIUM of Indispensable Information...

TEXAS STOCK AND FARM JOURNAL, FORT WORTH, DALLAS, SAN ANTONIO, TEXAS.

AN EARNEST APPEAL TO THE AMERICAN ANGORA GOAT BREEDERS.

The blow has been struck! The Cape Colony has decided to restrict the world for Angora goats, by an export duty of \$500, say five hundred dollars, on each and every thoroughbred Angora goat, male or female...

I have said in my letter of August 10th that we Americans are in the habit of priding ourselves on our energy and spirit of enterprise and progress, and asked whether there is nothing of these qualities in our Angora breeders?

Nothing serious is lost so far, except that for immediate demand you will find that the supply of high priced goats is at a low ebb...

Being at present the only expert in this country not engaged in Angora breeding, I have been recently asked by a number of breeders, to make the best use of this matter...

Remember that the larger the amount you subscribe, and with that amount an equal amount of your letter I will communicate to you in detail my propositions.

Mr. Norton, proprietor of the Nesho Valley herd of Shorthorns, Dunlap, Kansas, who has gained an enviable reputation among buyers of Shorthorn cattle...

But we don't charge for it if you want information. Come and see us and find out all about the points to which we are selling holiday tickets.

WOLF AND DOG PROOF. Prof. T. A. Hovstad, superintendent in charge of the Crookston Substation, Minnesota, in a contribution to the Minnesota Farmer Institute...

CANCER CURED WITH SOOTHING, BALMY OILS. Cancer, Tumor, Catarrh, Piles, Fistula, Ulcers, Scarcas and Skin and Wound Diseases. Write for Illustrated Book. Sent free. Address: DR. BYE, Cor. 9th & Kansas City, Mo.

REPORTS FROM THE FIELD.

Reports from these show heavy rains to have fallen this week at Rockport, Corpus Christi, Bayville, Alice, Skidmore, Newkum, Cuero, Beeville, Karnes City, Floresville, Boerne, Waring, Comfort, Ganahl and Kerrville on the Aransas Pass railway.

Without the slightest opposition the old directory of the San Antonio International Fair association has been re-elected. This was the result of the meeting of the stockholders of the association held on Tuesday afternoon...

The wet, cold spell that prevailed on Tuesday, Wednesday and Thursday has not been calculated to be of benefit to stock in Southwest Texas...

E. Rothe, a stock farmer of D'Hanis, Medina county, Texas, paid the Journal office a pleasant call Thursday. Mr. Rothe says that the recent rains have left his country in good shape.

Mr. Moore thinks he has enlisted the governor on the side of the stockmen but the latter should have been informed by the governor a couple of paragraphs in his call for the legislature, asking that body to enact some measure to the relief of the stockmen...

The West has returned from a trip to his ranch in Jackson county, and George W. West, his brother, is back from a trip to his ranch in Live Oak county. The Journal: "There never has, in my recollection, been a more soaking rain than that which fell there last week. I know all about it, for I was out in it on my way home."

The directory of the San Antonio International Fair association met Friday and unanimously re-elected the former officers of the association, viz: Vorles P. Brown, president; John W. Kerkner, vice president; J. M. Vance, secretary; Dr. Plutarco Ornelas, Mexican consul, honorary vice president; and the treasurer.

Recently the Journal chronicled the fact that a mysterious disease had appeared among the Granbury herd near Houston where it had destroyed over 100 head of the cattle therein.

Armour's people are soon to erect a cold storage plant of their own in this city for the purpose of accommodating the products handled by the Armour's in connection with conducting their business here.

SAN ANTONIO.

A considerable number of stockmen from Pearsall and Cotulla were here during the week in attendance on the district court as witnesses in the Smith-Mayes murder trial.

W. A. Jary and Miss Janie Saunders, the latter the sister of George Saunders, a well known stockman and feeder of this city, were married Wednesday evening at the residence of the latter.

J. H. Polk, the live stock agent of the Santa Fe railway, was here Wednesday from Galveston where he had accompanied a shipment of 26 cars of cattle shipped from Mexico in bond to Cuba.

L. W. Snowden, a stockman of Tilden county, Texas, was here Friday from Houston where he had accompanied a representative of the Journal that there have been fine rains in McMullen county recently and that the range is fine and cattle in good shape.

Sol West has returned from his ranch in Jackson county where he had been on Friday from McMullen county. He stated that the grass all along the Rio Grande on the Mexican side was green and thick.

Robt. McBeth, Jr., a stockman of Sandusky, Ohio, was among the visitors of the district court at the San Antonio editorial bureau of the Journal. He says that he is very partial to Shorthorn stock.

Harry Lands of New Braunfels, has bought 400 feeders from H. C. Timon which he will put on feed at his place in January. The terms of the sale were not given.

W. T. Way and A. D. Evans have returned from a hunt on the Woodley McComman ranch where they had a pleasant time and killed a considerable quantity of game.

H. W. Gillis, a San Angelo stockman, was here this week. He says the live stock market in that vicinity is active and a considerable number of cattle are changing hands there.

MARKET REPORTS.

Mark Withers, a feeder from Lockhart, paid a short visit to San Antonio this week.

P. R. Waelder, a stockman of Beeville, came in from there this week and spent a day or so here.

H. N. Pollard of this city, went to Seguin Saturday to look after some business matters there.

James M. Dolis, who is up there on business, writes that the Territory is covered with sleet and snow.

John Wolf, a stockman of Dilley, is here. He says that the cattlemen are standing the cold, wet weather well.

Horace C. Storey, a stockman and feeder of San Marcos, was here again this week. He was looking for a trade.

L. Moore of Bastrop, was here this week looking for some feeders to purchase and has gone west to look at some.

R. W. Hudson, a stockman of Pearsall, has been here all week in connection with the Smith-Mayes murder trial.

Charles Morris and wife came down Friday from the Morris home and cattle ranch to make some holiday purchases.

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DALLAS.

Dallas office of Texas Stock and Farm Journal, 213 Main St., where our friends are invited to call when in the city.

Joe Gunter of Sherman, who has a cattle ranch in Southwest Texas, was in Dallas Thursday.

Dodge Mason, a stockman and banker of Kemp, accompanied by his wife, was in the city Saturday.

E. C. Sugg of San Angelo, owner of a large cattle ranch on the Main Concho, was a visitor to Dallas Friday.

The thanks of Texas Stock and Farm Journal are given to the Clay-Rodinson company of Chicago for their beautiful and artistic 1900 calendar.

The Journal has received University News Letter of December 15, published at Lincoln, Nebraska, by the Nebraska University.

The special edition of the Hall County Herald received by the Journal last week is a creditable enterprise and one that will advise well the advantages of that county.

Mr. C. P. Fegan, chief clerk in the general passenger department of the Texas and Pacific, has been promoted to the position of assistant general passenger agent of that road, the appointment to take effect January 1.

Dick Pincham of Coldwater, Sherman county, in a letter to the Journal written on the 15th inst., says: "Cattle look well in this part of the country and we have lots of feed if we should need it. We had a great deal of rain this fall and winter which has hurt the grass some for winter."

The Journal has seen no periodical that surpasses in artistic beauty the Christmas number of "Breeder's Gazette." It has several colored engravings and a number of fine half-tones, pictures of great horses and of cattle that have won fame, as well as portraits of men prominent in different departments of live stock industry.

The Journal has received a copy of "The Outlook," a journal published weekly in New York. The number received has two articles which will be read with interest at this time: "War in South Africa; Case for the British," by the Rev. James Stewart, D. D., and "Case for the Boers," by George W. Van Sledright.

Two Lazy Steers from Col. C. C. Slaughter's ranch and fed by Frank Lower of Council Grove, Kansas, were sold at Kansas City on the 19th for \$6.75. They averaged 1255 pounds. "The Drovers' Telegram" says that they come in a little later they would have brought a better price as they would rank high in the Christmas beef class.

The West Texas Stockman of Dec. 19 says: C. C. Poole, traveling representative of the Texas Stock and Farm Journal, is here today registered from Fort Worth. He is the same as of yore, when he used to live out in this country and run for tax assessor, and springs jokes on the unwary with the greatest gusto to the merriment of the crowd.

J. W. Fields of Trent, Taylor county, writes the Journal as follows: "I am somewhat in the hog business now, as well as cattle, and I find the swine department invaluable. I have a sow of the Berkshire breed, and she has just had brought a better price as they would rank high in the Christmas beef class."

E. C. Sterling & Sons of the Hashknife ranch, Baylor and Throckmorton counties, advertise in this issue of the Journal 200 bull calves for sale, 100 Herefords and 100 Shorthorns from 6 to 8 months old, 7/8 grade thoroughbred, all vaccinated for blackleg. Interested parties will address E. C. Sterling & Sons, Hashknife Ranch, Seymour, Texas.

J. A. Ward of Wright, Swisher county, Texas, in a recent letter to the Journal says: "We are having too much rain out here. Can hear of a good many cattle dying even at this early date and if we have a hard winter I predict heavy loss. We have been reading Texas Stock and Farm Journal for a number of years and don't see how we could get along without it on a ranch."

The "Dance Calendar" for 1900 prepared by the National Sewing Machine company to Texas Stock and Farm Journal is indeed a beautiful work of art. It is in six pieces, each representing a figure in the minut, the stately dance of olden days, and the dress of the dancers is richly embroidered, decked with lace and ribbon and rich in texture and color. The Journal gives its thanks for this handsome Christmas greeting.

The Journal has a recent letter from Mr. C. C. Parish of Abilene, Ford county, Texas, in which he says: "Stock not in very good shape—too much rain, which has injured the grass. Prospects, however, were made some brighter by the pretty days that followed. We have been blessed with a good feed crop in this country, without which there would be much less among stock. Success to the Journal." Mr. Parish wrote before the cold rains of last week.

J. T. McElroy was in the city Friday. He was at El Paso Wednesday and reports snow at that place and extending eastward as far as Abilene. The fall at Pecos City was altogether about twelve inches, but as it melted rapidly there was much less there, perhaps three inches, when he passed that place. He thinks the wet weather we have had may have been some what in some portions of the country but in the counties in which he is ranching, lying in the Texas-Pacific country beyond Midland, it will be of great benefit. He says that the water in the ground to ensure an early growth of weeds. Mr. McElroy's cattle are in fine condition and he has no fear of any winter losses. He is feeding some of his fine hogs on a cotton seed but the range stock is doing well on the native grasses.

Texas Stock and Farm Journal has received from J. R. Raterkin & Son, Sherman, Iowa, their annual catalogue of seed corn. The firm is highly recommended by important business

establishments of its own immediate section. For many years the senior member of the firm made a specialty of producing seed corn and has built up a large business in this line in all the corn growing states. The firm has recently constructed new drying houses and has now in stock for the spring trade of 1900 more than 25,000 bushels of seed corn from both the best and the best varieties. These varieties have had thorough test and have produced satisfactorily yield and quality under greatly varied climatic conditions. The advertisement of the firm appears in this issue of the Journal.

RED RIVER PARISH BUSINESS LEAGUE. At a meeting of the Producers' Business League of Red River parish, held at Coushatta, La., October 25, 1899, the following constitution, by-laws and resolutions were unanimously adopted: CONSTITUTION AND BY-LAWS OF THE BUSINESS LEAGUE OF RED RIVER PARISH.

Article I. Co-operation and confidence are fixed as the foundation of this League.

Art. 2. No member is bound by the action of the League, except in so far as his interest and duty inspires.

Art. 3. The president shall call meetings when he thinks it necessary, or any three members can call a meeting.

Art. 4. The secretary and treasurer shall have a salary of fifty dollars per annum to be subscribed by the members. The salary is to pay for his time, postage stamps and other necessary expenses.

Art. 5. No other member shall receive pay except for his expenses in working for the League, to be allowed by the treasurer, if he thinks proper, upon order of a majority vote of the League.

Art. 6. All monies for expenses are to be raised by subscription.

Art. 7. Every member is expected to get other Leagues organized elsewhere in the South, upon the basis of this one.

BY-LAWS. I. The meetings shall be presided over by the president, if present, and by some one selected for the purpose.

II. The majority vote shall decide all motions.

III. Any member of this League, who in any article at any of our meetings, is considered expelled and the secretary is authorized to drop his name from the roll of membership.

RESOLUTIONS BY HON. H. C. STRINTELOW. Be it resolved, that whereas, one Henry M. Neil, a self-constituted authority, some weeks ago published to the world that the cotton crop of the South would amount to twelve million bales, and whereas, Neil has more recently published a revised statement reducing his estimate from twelve to eleven million bales.

Now, therefore, be it resolved, that we repudiate the said estimate of said Henry M. Neil, and regard him as a public enemy of our great cotton growing industry, and that his published estimates are solely in the interest of the spinners and, we believe, future dealers.

Be it further resolved, that it is a well known fact that in former years Mr. Neil, in making his estimate, has missed the actual cotton crop more than a million bales.

Be it further resolved, that we, representing in part the great cotton growing industry of the South, and residing in one of the finest cotton growing belts, the Red River valley, declare that we will not be deceived by such a statement, and further, we know that when cotton is short in our section, all reasonable influences considered, it is short elsewhere.

Be it further resolved, that we advise every parish and county in the South to organize a "Business League," as we have done in Red River parish, Louisiana, for mutual self-protection, whereby we, in ten days, advanced the price of our cotton seed from six to ten dollars per ton. What we have accomplished, all can accomplish, if we unite on the line of self-protection.

Be it further resolved, that the impulsive practice upon us, makes it our imperative duty to stand together to advance our great cotton industry.

Resolved further, that because of the short crop, we think cotton is worth a cent per pound, as certain as nails have advanced from one to three dollars per keg, and we advise all who can, to hold their cotton at ten cents for middling, and other grades proportionately.

All others favoring this effect are requested to publish this resolution.

B. W. MARSTON, President. L. M. HOWARD, Secretary.

BREEDING FOR BETTER FLEECE. E. P. Smith of Ohio, says, in Massachusetts Ploughman:

"The unusually good market for wool just now is highly encouraging to owners of good flocks of sheep, but so many are rushing into the business of raising sheep that we may expect to see a crop of poor wool thrown on the market in the next year or two. The conservative breeder and sheep raiser will now begin to consider the question of quality as well as of quantity. Even the inferior grades of wool are bringing fair prices now, but that will not be the case a year hence, because the supply will be larger. The first graded wool will retain its price longer than the inferior grades, and it might be wise to stop now and consider how the future demand can be provided for. Do not buy sheep for breeding purposes unless they come up to the standard of high grade wool producers. It will be better to keep the money for some other investment. Breed by all means, and increase the flocks, for wool times were never better, but be careful of the selection. See to it that the fleece is long of staple and fine and soft in texture. Do not think that the young lambs will prove better than their parents. Like begets like, but in most cases the progeny are inferior to the parents of the bred-in-to-much. Crossing the stock with common ordinary rams does not improve it much. The new ram should be superior and not inferior to the rest of the flock; then good results can be expected."

The hens must be well fed and comfortably housed to induce them to lay eggs in the winter, but the winter prices of eggs will make it pay to give them the shelter and feeding required,

SOME PHASES OF CATTLE BREEDING, PAST, PRESENT AND FUTURE.

By John McDiarmid, of Missouri.

Some time ago I received a request to write an article on the development and management of bulls from calf-hood to old age. This I now do, with the understanding that what I say will be within the circumscribed limits of my own observations and experience, or based on well authenticated facts. I wish to confine myself for the present, to dealing only with that specially valuable class—bulls selected to head herds. In regard to such a bull most breeders of experienced and correct estimate, from the make-up and breeding of the bull as a calf, the rank he is likely to occupy and his future usefulness. If, then, a breeder is convinced that a particular calf is worth developing for use in a pure-bred herd, it should, in my opinion, at first receive plenty of good milk; grass in summer is also its natural food and will lay the best foundation for future development and usefulness. If the calf has been dropped in winter he should have more care than one coming in early summer when our grasses and climate enable the dam to do more for him than she could in winter. In the winter, hence, a nicely balanced ration of grains and oil meal, well cured hay, sheep oats, oat hay, or bright, well cured corn fodder, will make a fine combination, and the calf should also have the comfort of a dry bed, and where to bask in sunshine when the weather is fine. The disposition of the youngster should also be studied. He may be shy, or forward and frolicsome, but, in any case, let him understand that you are his friends and, if need be, his master. Kindness and firmness, with no fooling, will generally win out over any other method that can be employed. Early tuition in handling and halter breaking is also good practice. If he be an intelligent youngster, and some bulls have rare intelligence, he will very soon enjoy being led and exercised, as well as being curried and brushed. When given such treatment he intuitively recognizes the hand of his master, and grows under the environment of civilization and comfort. If, as sometimes happens, there be a calf whose dam does not give enough milk to do him full justice, he should have a "foster mother" to supplement the deficiency. I also favor allowing milk to bull calves until they are at least nine months old, though, as a rule, after they are six months old they become too rough on the dam's udder to warrant such a course. Hence, I think it is good practice to sound economy to let a "foster mother" give them their milk supply after they have reached six months, and let the herdman milk their dams. As weaning time approaches, the calf should be so accustomed to feed that the weaning process will have little effect except to make him bawl a little day or two. The feed at that time, and for some time afterwards, should be supplemented by an extra allowance of oil meal or pure ground flax seed. From this point the young bull becomes conscious of his own importance, and the restraining influence of his training begins. When his services are called for he should be kept under control as far as possible, and he should not be expected to attempt anything costly without good reason. He never be allowed to serve on shipped pastures, either in summer or winter, however long or short the years of his usefulness are to be. From about this time he will begin to exhibit his characteristic natural tendency, and if ever a bull manages to make his way out of a lot or pasture rest assured he is not going to be very easily kept in the future.

In concluding this article I shall, for the present, only mention one other phase of the interesting study of how to care for valuable bulls. Several years ago I agreed to visit and look over the famous Bull, Beau Real. This was possibly two years after he had retired from show yard exhibition, but somehow or other the old herdman, who had had had charge of him, could not be induced to let his favorite, who had won for both, get down in flesh to a normal condition. After careful inspection and delicate inquiry I came to the conclusion that Beau Real required more exercise and less grain or concentrate feed. In my opinion he needed big grass pasture badly, and he soon got it. The grain ration was considerably reduced and balanced so as to be of a less heating nature—more bran and less corn. A few months of this change of treatment brought Beau Real to a normal condition and fit for active service as the chief stock bull in the Maple Grove herd. It was after that period in his career that he sired the great show bulls, Free Lance and Wild Tom, as well as the \$2500 Beau Real's Maid and many other valuable animals. In touching upon these few varied instances of characteristics of the breed, I must confess that I do not consider that I have much more to touch the fringe of this interesting question. The intelligence of the reader will enable him to draw some inferences from what I have said. Another time I may set forth my views more fully.—The Homestead.

The number of lambs on feed in the Northwest is considerably below that of last year. The National Live Stock Reporter says that J. B. Kerr has been through Northern Colorado, counting them in that section, and his estimate of the number being fed there is 205,000, against 350,000 last year. Only a few more will be put on feed, and it seems probable that that section will have during the entire season 150,000 less than last year. The spring market ought to be a good one.

Don't let the manure from the stables and about the feeding pens go to waste. Scatter it about on the portions of the fields where it is the most needed.

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usually reduced in flesh, became fit for active service, and left behind him a stock of well developed and sturdy calves. Gay Monarch was fortunate in getting into the hands of a firm that knew his business, and though for some years he was kept at high pressure he was in every other respect very satisfactory. Cupbearer's lot was not such a happy one. It may be said of him that he was almost peddled about, and was given but little opportunity to show the quality of stock he was capable of siring; but his son, Challenge Cup, and his daughter, Gwendoline, have proven beyond question that when he was properly mated he would sire a progeny of Shorthorn character which it would be well to mate, from the make-up and breeding of the bull as a calf, the rank he is likely to occupy and his future usefulness. If, then, a breeder is convinced that a particular calf is worth developing for use in a pure-bred herd, it should, in my opinion, at first receive plenty of good milk; grass in summer is also its natural food and will lay the best foundation for future development and usefulness. If the calf has been dropped in winter he should have more care than one coming in early summer when our grasses and climate enable the dam to do more for him than she could in winter. In the winter, hence, a nicely balanced ration of grains and oil meal, well cured hay, sheep oats, oat hay, or bright, well cured corn fodder, will make a fine combination, and the calf should also have the comfort of a dry bed, and where to bask in sunshine when the weather is fine. The disposition of the youngster should also be studied. He may be shy, or forward and frolicsome, but, in any case, let him understand that you are his friends and, if need be, his master. Kindness and firmness, with no fooling, will generally win out over any other method that can be employed. Early tuition in handling and halter breaking is also good practice. If he be an intelligent youngster, and some bulls have rare intelligence, he will very soon enjoy being led and exercised, as well as being curried and brushed. When given such treatment he intuitively recognizes the hand of his master, and grows under the environment of civilization and comfort. If, as sometimes happens, there be a calf whose dam does not give enough milk to do him full justice, he should have a "foster mother" to supplement the deficiency. I also favor allowing milk to bull calves until they are at least nine months old, though, as a rule, after they are six months old they become too rough on the dam's udder to warrant such a course. Hence, I think it is good practice to sound economy to let a "foster mother" give them their milk supply after they have reached six months, and let the herdman milk their dams. As weaning time approaches, the calf should be so accustomed to feed that the weaning process will have little effect except to make him bawl a little day or two. The feed at that time, and for some time afterwards, should be supplemented by an extra allowance of oil meal or pure ground flax seed. From this point the young bull becomes conscious of his own importance, and the restraining influence of his training begins. When his services are called for he should be kept under control as far as possible, and he should not be expected to attempt anything costly without good reason. He never be allowed to serve on shipped pastures, either in summer or winter, however long or short the years of his usefulness are to be. From about this time he will begin to exhibit his characteristic natural tendency, and if ever a bull manages to make his way out of a lot or pasture rest assured he is not going to be very easily kept in the future.

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QUESTIONS AND ANSWERS.

In this department questions upon the subjects treated in this Journal will receive answer. Inquiries are invited.

Editor Texas Stock and Farm Journal: If it is not asking too much, express your ideas in Journal about speying sows, etc., and at what age is best, and whether it is best in side or belly.—E. H. Columbus, Texas.

Answer.—In reference to the above request, will state that we do not spey or advise others; rather advise to grow pigs from year to finish, and kill or sell early while yet young. Up to this time their heads do not amount to much. We have studied and watched this plan so closely for the past few years, we have hardly learned anything new in the way of speying. And more especially have we neglected the study of speying since our market calls for young porkers. Of course we recognize the value of speying sows, and animals it is advisable to spey. Some valuable test cases have shown that those that were in heat not only lost in flesh and consumed the same amount of food for a period of four days, but were considerably wrothy to the rest that were on feed. We lost fewer when feeding old sows, and several of these we have fed successfully without the operation of speying. We do not consider it worth while to spey them, but we do consider it worth while to spey them when they are very young, and we do consider it worth while to spey them when they are very young, and we do consider it worth while to spey them when they are very young.

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VETERINARY.

PROBABLY GLANDERS.

Editor Texas Stock and Farm Journal: Our horses have had distemper all the fall, or that is what we supposed it to be—breaking at nose and running a yellow matter for about a week. Now in the last month about ten valuable horses have died in two small pastures. They are sick about two days generally; they hang their heads down and act as if colicky; seem to swell up in bunches, and some break at nose just before dying, and they generally stand on their feet and drop dead.

These horses run on range altogether and all good, stout, saddle horses that are being used.

Is it distemper or what? Two dogs that have eaten on the carcasses of horses have had the disease and one of them died. The horses and dogs seem to be stiff with sick. Please give me remedy if possible, through the columns of the old reliable Journal.

T. R. B.

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