

TEXAS LIVESTOCK AND FARM JOURNAL

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FORT WORTH FRIDAY, JAN. 12, 1894.

NO. 93.

THE CONVENTION.

TUESDAY.

AUSTIN, TEX., Jan. 9.—The convention met at the Board of Trade hall at 11 o'clock a. m., pursuant to adjournment. In the absence of Hon. C. M. Rodgers of Travis county, president, and of Hon. J. B. Baker of Harris county, vice-president, the convention was called to order by Hon. D. H. Snyder of Williamson county, expresident of the association; who, on taking the chair, announced that both the president and vice-president were absent and that nominations were in order for temporary chairman. On motion of Mr. R. M. Thomson of Travis county Mr. E. J. Sandmeyer of Colorado county was unanimously elected.

Hon. John McDonald, mayor of Austin was then introduced and delivered an address of welcome on behalf of the citizens of Austin.

Mr. C. R. Breedlove, a member of the association, also made one of his characteristic speeches urging every cattle and stockman in the state to join the association, and spoke of the many advantages to be derived by organization.

At the conclusion of his speech a daughter of Mr. Frank Murray, one of the leading butchers of Austin, presented the secretary with a beautiful bouquet of choice roses.

Mr. V. P. Brown of Bexar offered a resolution which was adopted providing that the chair appoint the following committees to consist of three members each. The chairman announced the following appointments:

On resolutions—A. S. Reed, C. R. Breedlove, I. W. Middlebrook.

On cattle breeding and feeding—W. E. Hughes, Seth Mabry, I. T. Pryor.

On breeding and raising horses—T. S. Snyder, Q. F. Walker, Ed Anderson.

On quarantine resolutions—J. H. Paramore, I. T. Pryor, J. W. Gammel.

On packing houses and slaughtering establishments—D. S. Coombs, L. B. Pumphrey, M. C. Hurley.

On deep water on Texas coast—A. H. Pierce, R. J. Kleberg, W. J. Moore.

On the future work of the association—D. H. Snyder, C. R. Breedlove, J. H. P. Davis.

On breeding and raising sheep—A. P. Brown, Nat Powell, R. M. Taylor.

On swine and swine products—N. Powell, C. G. Caldwell, W. A. Oatman.

On needed legislation—R. M. Thompson, C. R. Breedlove, R. A. Smith.

On railroads, stock yards, etc.—B. J. Tillar, C. T. Shropshire, R. B. Pumphrey.

On diseases of live stock—R. J. Kleberg, Dr. R. M. Francis, S. B. Allen.

The following named gentlemen received certificates of membership: C. R. Breedlove of Fisher county, J. W. Gammel of

Mason county, F. W. Flato, Jr., of Kansas City, Mo., J. B. Pumphrey of Williamson county, Prof. M. Francis of College Station, T. S. Snyder of Williamson county, B. J. Tillar of Fort Worth, M. C. Hurley of Fort Worth and W. E. Hughes of Dallas.

AFTERNOON SESSION.

Convention called to order by the chairman at 3 o'clock p. m. Reports of committees being in order, the committee on breeding, feeding and marketing of cattle reported as follows:

AUSTIN, TEX., Jan. 9, 1894.

To the Honorable D. H. Snyder, President Texas Live Stock Association:

Your committee on the breeding, feeding and marketing of cattle, beg unanimously to report that we consider the breeding up of our cattle a matter of prime importance, and that your committee thinks that the speedy, effective and cheap way to breed up is through the male line, breeding always to the very best bulls obtainable. As to feeding, we think Texas is destined to be, at no distant day, the great feeding ground of this continent. To feed well you must first breed well. We regard our great staple, cottonseed, with its meal and hulls, one of the cheapest and most valuable feeds, and experience has demonstrated that cottonseed meal and hulls will produce in a given number of days, at less cost, more pounds of beef than any feed known. As for marketing, we consider that the cattle industry suffers most from the marketing of unripe and half-fattened cattle. Respectfully,

W. E. HUGHES,
I. T. PRYOR,
SETH MABRY,
Committee.

Capt. Reed of the Fort Worth packing company being requested to address the convention in regard to the enterprise inaugurated at Fort Worth, declined and called upon Capt. Breedlove to deliver, an address, which he cheerfully did in his usual happy style.

The committee on horse breeding and raising, presented the following report, which was read and adopted.

AUSTIN, TEX., Jan. 9, 1894.

To the President and Members of the Texas Live Stock Association:

We your committee on horse raising and breeding beg leave to report as follows: While much might be said upon the subject, we deem it unnecessary as a casual observance and illustration of the past and present will readily show our unprecedented progress in this particular line of stock, it comes so vividly to our minds, but a few years ago where the gotch-eyed, broom tail of ancient style of architecture roamed our beautiful prairies, and whose chief virtue was to teach the newly made farmer how to lay fence worm, we now find a close neck-and-neck competition with Kentucky; the banner state on style and fine blood, and ere long at the present rate of improvement our sister state will in all probability be calling on us for horses. We have them, and of the very finest. They are to be found on our streets, and our farms, on our highways and our race courses; in fact, the average Texan is to-day fully awake in progress with anywhere in the world. But admitting the above facts, it stands us in hand to hold the reins tight and drive on to a higher goal. Organization, brotherly

co-operation, intellectual training, all strengthen and support us in attaining this end. We greet the Texas Live Stock association as a grand organization and will ever be with you in heart, soul and practice, in improvement, progress and protection.

In connection with our subject we might mention many breeds adapted to our Texas mares. The French Coach and Percheron is especially deserving of prominent mention to cross on our hardy, compactly-built mares which for action and durability cannot be excelled the world over. The above cross gives us what might be termed a general, all-purpose horse, ranging in size from 1200 to 1500 pounds, with good action and an iron constitution and a horse that can be used anywhere on earth with profit. Again thanking you and extending our greetings with best wishes, we are your committee,

ED ANDERSON,
THOS. S. SNYDER.

The committee on packing house and slaughtering establishments reported as follows, which was read and adopted:

Texas Live Stock Association:

We your committee on packing houses and slaughtering recommend that the packing companies located and doing business in Texas furnish to the secretary of your association reports and data showing what progress has been made in that line; also the advantages to be derived to the live stock growers of Texas by fostering home enterprises of that kind. We also recommend that your secretary distribute among the live stock growers and members such data as may be furnished by the packing companies; and

Whereas, a large amount of money goes out of our state each year for pork and beef products, aggregating about \$17,000,000, we recommend that your association, as well as every citizen of Texas, foster and encourage the upbuilding of the live stock market and packing house industry in Texas commensurate with our necessities. Having no other business of importance we respectfully submit this as our report.

D. S. COOMBS,
M. C. HURLEY,
J. B. PUMPHREY.

The committee on sheep breeding and raising, made the following report which was read and adopted:

To the Hon. E. J. Sandmeyer, Chairman:

Your committee on the sheep industry desire to submit the following report:

Texas ranks first as the largest wool producing state in the union, and the wool growing industry of this state ranks next to cattle, in point of capital invested in lands and sheep. Hence, it is with great disappointment and alarm, that we are compelled to note the decline of this industry in the state, especially in the last year or two. Wool, for twelve months or more, has found slow sale at less than one half its former value, while the value of the carcass has been depreciated at least one half, or more. Sheepmen in many localities suffer an annual loss of from 10 to 25 per cent from the ravages of coyotes and other wild animals. The outlook of the industry is, to say the least, not encouraging. The state has left the sheepmen to battle with coyotes and other predatory animals, while the industry is seriously threatened from other sources. A mass meeting of the woolgrowers of the United States has been called to meet in Washington, D. C., February 6, to discuss and take action on matters of impor-

tance to sheepmen everywhere, and it is to be hoped that Texas will be ably represented at that meeting and to that end this committee would suggest that woolgrowers generally and the various woolgrowers' associations of the state take immediate action looking toward the appointment of a committee whose duty it shall be to attend the Washington convention in the interest of the sheep industry of this state.

Respectfully submitted.

VORIES P. BROWN,
R. M. TAYLOR,
N. POWELL.

The following report of the committee on the future work of the association was presented and adopted:

To the Honorable chairman of the convention: Your committee on the future work of the association beg leave to report:

1. We believe that the paramount object of the convention should be to organize more thoroughly by enlisting the active membership and generous co-operation of every live stock raiser within the state of Texas.

2. That we should foster and encourage the live stock interests by wise counsels, by wholesome legislation and by calling into exercise every agency that tends to promote the welfare of our membership as individuals and of our organization as a whole.

3. In order to accomplish these ends we recommend to the convention to invite the prompt and hearty co-operation of all parties raising cattle, horses, mules, hogs and sheep.

4. This body should antagonize no other body; on the contrary it should invite generous and hearty co-operation from all similar organizations.

Respectfully submitted.

D. H. SNYDER,
J. H. P. DAVIS,
C. R. BREEDLOVE,
Committee.

The committee on hog raising and breeding submitted the following report which was read and adopted:

Hon. E. J. Sandmeyer, Chairman of the Texas Live Stock Association:

Your committee selected to present to the association some data on the subject of hog raising in Texas, beg briefly, to say that during the last few years there has been greatly increased interest in hog raising, which latterly has received additional impetus from the unfavorably high prices of hay products that have been realized in the markets. The increase in number of hogs in the state, as well as in movement in character, have been marked, and may be attributed in part to the good prices ruling and partly to the general tendency to improve all classes of stock. Among the evidences that may be noted in the direction above indicated, is the fact that one of the most wide-awake, intelligent and progressive organizations in the state is that of the Texas Swine Breeders' association, and it may be added that the influence of this association in the matters of the development and evolution of the hog in Texas, is able, persistent and far-reaching. Another thing that should encourage the planting and cultivation of hogs in Texas is the fact that the market seems to be coming to them. We have, on reliable authority, that the Fort Worth packing plant has, since early in December, taken all offerings of hogs at figures but 5@10c less than Kansas City.

That most portions of Texas are well adapted to the successful growing of hogs, is

(Continued on Page 8.)

CATTLE.

The Chicago Stockman has the following to say regarding the cattle business for 1893: "The cattle trade of 1893 opened with bright expectations and the first few months found all classes of beef and feeding stock selling on a decidedly better basis than prevailing towards the close of 1892. Suddenly and without warning came loss of confidence in business circles, culminating in a money stringency that affected the consumer as well as the producer, restricting buying operations even among the large domestic dealers and exporters and making it impossible for men of property to secure advances sufficient to put stock on feed. Other contingencies incidental to the financial disturbances forced a world of stock to market in all conditions of finish, and values, figuratively speaking, went all to pieces with trade in a semi-demoralized position. The influences of the World's fair loaned a struggling hope to the future and several reactions occurred, only to be overwhelmed by the results of the hard times then and now existing, until this month finds the trade in the most depressed condition that it has fallen into in years. To make matters worse the low prices of a large portion of the year induced refrigerator firms and others having cooler facilities to fill up the extent of their accommodations, and now with a large proportion of the masses out of employment and the general public practicing an era of economy, they find all the various channels flooded and a very slow and unsatisfactory outlet for even the surplus meat supply. It will take time to change these conditions, but not a very long period, however, when the present unfavorable conditions must give way to strength and activity, and we opine not only a healthier and stronger but a much more reliable trade for the new year, 1894. Prices were the highest in January and June and the lower in August and during the latter part of December. In January \$6.50 was reached, in June \$6.35 and in December \$6.35. Christmas beeves sold as high as \$6.50, \$6.75 and \$7 early in this month. Present prices which are, if anything, lower than during any time in August are down to \$2.75@3.25 for fair beef steers, \$3.50@3.75 for pretty good heavy steers and \$4.25@4.75 for exporters. Cows and Texans sold relatively to the best advantage and plain fat beeves and medium grade shipping and dressed beef steers the most unsatisfactory and disappointing. Western rangers, all things considered, sold well, though under the previous year's basis, but the quality was poorer; \$4.75 was top.

The Texas Market Last Week.

The Evans-Snyder-Buel company in a circular letter of January 5, say: In the year 1893 Texas contributed to the Chicago market 21.4 per cent of all the cattle received, and about half a million sheep. Even though she leads the world in both these branches the number of live stock marketed last year was surprisingly large considering all the circumstances which conspired to shorten the supply. The heavy marketing of the stock and calves the previous season had a tendency to impoverish the cattle crop of 1893 materially. Besides, an unusual drouth destroyed cattle by thousands so that the assessment roll of last year showed a shortage of nearly a million head. Notwithstanding this the number marketed here last year was in round numbers 670,000 head, against 617,000 in 1892 and 669,000 in 1891. Furthermore the number of Texas cattle received at other markets was a decided increase over the previous year which will bring the aggregate shipped out of the state close up to last year's figures.

Prices for fed Texas cattle early last year were very satisfactory, some extra good steers reaching \$6 in February, but from that time, under pressure of heavier receipts, values naturally declined, reaching low water mark in the late summer and fall, when grassers ranged from \$1.75@3. The year closed with fed steers selling at \$3@4. Prices all through the year averaged much above 1892 and, taking the hard times and the general financial depression into consideration, Texas ranchmen have not had much to complain of. Since the feeding of cotton seed meal and hulls has been adopted the system of marketing stock has, to a large extent been revolutionized. Receipts have been more equally distributed throughout the year and much of the glut and depression consequent on an over-supply in mid-summer avoided. This we believe is a good thing and will redound much to the financial interest of Texas stockmen. From our own investigations and reliable information obtained from others, we estimate the available crop of 1894 at 25 per cent short of 1093, but by reason of the drouth which forced many cattle to feed lots earlier than usual we estimate the number of the first feeding considerably above last year and therefore expect liberal receipts in January and February. Reasoning from cause to effect we see no reason in the world why values should not advance after the first of March. Receipts will be lighter, the demand will surely be good and grass cattle will be much later than a year ago. This, together with a possible improvement in the financial condition of the country ought to bring about a better scale of prices.

Within the past few weeks not enough Texas cattle have arrived to cause much change in values or market conditions. Slaughterers have received a good many direct, and what have sold on the market generally met with a ready outlet at prices from \$3@4. Offerings have been remarkably light during the holidays and this was fortunate, for the demand from the dressed beef men was unusually light. On Monday ten cars of fed steers sold at \$3.65, and 14 cars of heifers sold as follows: 270, averaging 750 lbs, \$2.50; 90, averaging 725 lbs, \$2.15. The demand was a little better on Tuesday. Sales included 14 cows, 662 lbs, \$2; 8 cows, 797 lbs \$2.10; 62 yearlings, 581 lbs, \$2.25; 16 calves, 289 lbs, \$2.40; 1 cow, 1000 lbs, \$2.40; 1 cow, 1030 lbs, \$2.40; 16 cows, 870 lbs, \$2.40; 1 bull, 720 lbs, \$2.75; 8 steers, 682 lbs, \$2.75; 78 fed, 845 lbs, \$3.30; 25 fed, 939 lbs, \$3.60; 46 fed, 1046 lbs, \$3.65; 19 fed, 1275 lbs, \$3.85; 1 calf, 120 lbs, \$5.50. About 400 head arrived Wednesday, most of which sold on the market, 12 calves, 378 lbs, \$1.50; 2 bulls, 1025 lbs, \$2; 53 calves, 247 lbs, \$2.25; 36 bulls, 1302 lbs, \$2.85; 130 fed, 829 lbs, \$3.25. About a thousand head arrived on Thursday. Sales were as follows: 294 cows, 663 lbs, \$2.25; 43 bulls, 1267 lbs, \$2.35; 51 bulls, 1236 lbs, \$2.35; 243 cows, 751 lbs, \$2.65. We do not look for much change in values until supplies become much heavier, which will probably be two or three weeks later. Then there is likely to be a temporary depression while the first crop is being marketed.

Graingrowing impoverishes the land and is dependent upon a good or bad season. Live stock enriches our fields, improves our grain and forage crops and markets the entire crop at a premium above market rates just in proportion to the good blood in breeding. Scrubs do not pay to eat even our present low-priced grain.

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Most Perfect Made.

STRENGTH And beauty of leather is Vacuum Leather Oil; 25c, and your money back if you want it Patent lambskin-with-wool on swob and book—How to Take Care of Leather—both free at the store.

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Texas Live Stock Commission Co.

INCORPORATED. CAPITAL STOCK, \$100,000.

FOR THE SALE OF TEXAS CATTLE AND SHEEP ONLY.

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S. W. THAYER will have charge of the Texas business as heretofore.

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References—Bankers' National Bank, Chicago; Drovers' National Bank, Chicago; First National Bank, Paris, Ill.; J. Millikin & Co., Decatur, Ill.; State Bank, Chrisman, Ill.; Evanston National Bank, Evanston, Ill.; Allerton Bank, Allerton, Ill.

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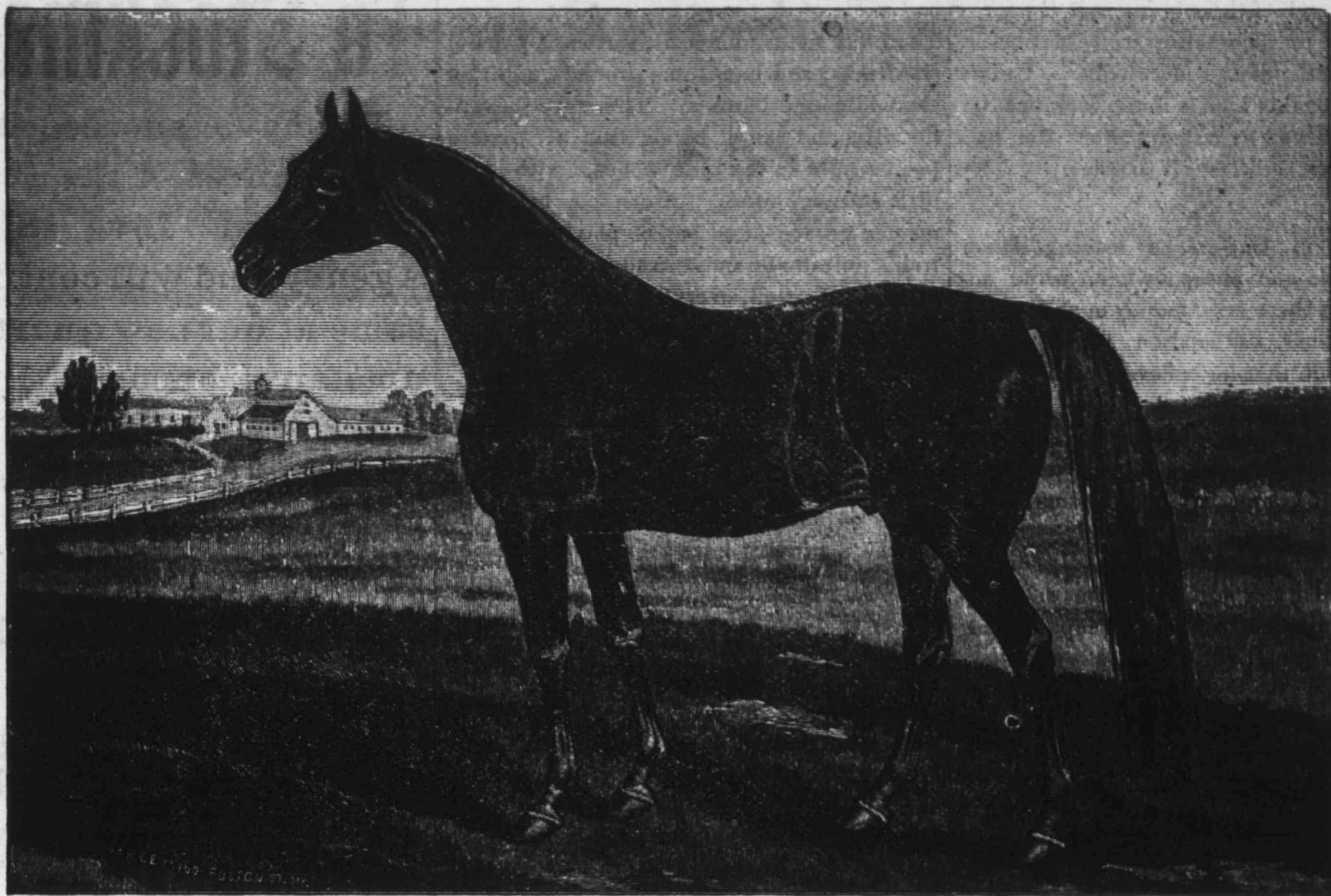
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FAYETTE WILKES 2036,

A highly bred son of the great Geo. Wilkes 519, and a promising sire, some of whose produce will be sold in J. B. Perry's great breeders' sale of Kentucky-bred trotting stock at San Antonio, Tex., Wednesday, January 31, 1894.

HORSE DEPARTMENT.

G. R. King, Dallas.

A representative of the JOURNAL when in Dallas had the pleasure of being shown through G. R. King's stable of horses and was surprised at the number he had in his string with records. They were all looking as fine as split silk, and will make some of the boys hustle when the campaign begins.

The following is a list of the horses with records better than 2:30:

Lottie B., blk. m. 4 years, by Jim Long, he by Petoskey, dam by Ala Pasha, record 2:22 1/4; Prescott, b. g., by Prinmont, dam by Phil Sheridan, record 2:27 1/2; Electryon, b. s., by Electioneer, dam by Don Victor, record 2:24 3/4; Mite, p. b. f., 3 years, by Prinmont, dam by Phil Sheridan, record 2:26 3/4; Rabb Wilkes, br. s., 4 years, by Momento Wilkes, dam by Golden Bow, record 2:26; Prior, b. s., 6 years, by Prinmont, dam by American Clay, record 2:29 1/2; Lone Star, b. s., 4 years, by Momento Wilkes, dam by Golden Bow, record 2:29 1/2; Alcy Wilkes, b. s., by Alcyone, dam by Blood's Black Hawk, record 2:17 1/2; Lady Idol, b. m., by Idol Wilkes, record 2:25.

Besides those with records Mr. King has in his stable several sure candidates for 2:30 honors this season. Those most worthy of note are as follows:

Amorilla, b. g., 6 years, by Prinmont, dam by Nomad, he by Almont; bay pacing mare by Jim Long, he by Petoskey, dam by Glenco, Jr.; Foster, b. g., 4 years, by Prinmont, dam by Foster, thoroughbred.

The Hill Stock Farm.

The JOURNAL has just received the 1894 catalogue of the trotting and pacing stock longing to the Hill Stock Farm, Dallas, W. M. C. Hill, proprietor. Below we give a partial list of the best stallions and mares of the farm, together with the breeding of each.

Stallions in service, Wm. M. Hill 13,268, record 2:20. The sire of Lena Hill, two-year-old race record of the world, 2:12 3/4, and Judge Hurt, yearling, record, 2:37 1/2. He by Sir Walter 2001, record 2:24 1/2, the sire of eleven with records in 2:30 or better, he by Aberdeen 27, the sire of forty-four with records of 2:30 or better. Wm. M. Hill's first dam by Wagrain, second dam Queen of Trumps, (see American stud book, volume 2), third dam an imported thoroughbred mare.

Bahama 14,096, by Bermuda 5874, record 2:20 1/4, sire of five with records of 2:30 or better. First dam Lady Smuggler, by Smug-

ler 927, record 2:15 1/4, second dam Country-Maid, by Hamlet 160, third dam Country Girl by Country Gentleman, fourth dam Favorite by Alexander's Abdallah 15, fifth dam by Mambrino Chief 11, sixth dam Lady Crowder by Old Tom Crowder, seventh dam Grey Fanny by Grey Eagle.

George Campbell, three-year-old pacing record 2:17. Sired by Reno Defiance 1460, record 2:29 1/4, the sire of nine with record of 2:30 or better. First dam Possum Pie the dam of Lena Hill (two years) 2:12 3/4, and Judge Hurt (yearling) 2:37 1/2 by Octoroon. Second dam s. t. b. by a son of Tom Hal, third dam a copperbottom mare.

Wm. T. Campbell 17,527, sired by Reno Defiance, 1460 record 2:29 1/4. First dam Lady Helen, record 2:22, by Woodburn Chief 2060, second dam Princess by American Clay 34, third dam by American Eclipse, fourth dam s. t. b. thoroughbred.

Judge Hurt, yearling record 2:37 1/2 pacing, sired by Wm. M. Hill 13,268, record 2:20, the sire of Lena Hill 2:12 3/4, first dam Possum Pie the dam of Lena Hill (two years) 2:12 3/4 and George Campbell (three years) 2:17 by Octoroon, second dam s. t. b. by a son of Tom Hal, third dam a copperbottom mare.

The following is a partial list of brood mares: Lady Helen, record 2:22, by Woodburn Chief 2060, first dam Princess by American Clay 34, second dam by American Eclipse, third dam s. t. b. thoroughbred.

Neoma C., the dam of Annorena (two years) 2:26 1/2 and Kratz (three years) 2:21 1/2 by twilight 315, first dam Madame Beaty, the dam of Gillette 2:11 1/4, Black Ide 2:17, Cecile 2:28 3/4, Mahala 2:19 3/4 by Monroe Chief 875, second dam a saddle mare, untraced.

Casco, full sister to Belle Isle 2:28 1/4 by Cuyler 100, first dam Kittie Johnson dam of Belle Isle 2:28 1/4 and full sister to Emma Arterburn by Mambrino Patchen 58, second dam Jennie Johnson the dam of Emma Arterburn, (dam of St. Arnaud 2:29 1/4, sire of Reina 2:22 1/4) by Sweet Owen son of Grey Eagle. Third to seventh dams thoroughbreds.

Admont, full sister to Wildmont 2:27 by Egmont 1828, first dam Advance dam of Wildmont 2:27 by Administrator 357, record 2:29 1/2, second dam Miss Woodson grandam of Wildmont 2:27, dam of Lemont sire of Blondie 2:27 1/2, by Swigert's Lexington, son of Lexington, third dam by Grey Eagle, fourth to twentieth dams thoroughbreds.

Letitia, sired by Arthurton 365, first dam Hilda by George Wilkes 2:22, second dam

Mary D. by Sentinel 2:29 1/4, third dam Lizzie Anderson by Downer, son of Lexington, fourth to eighth dams thoroughbreds.

Ida, record 2:29 1/2, by Belmont 64, first dam Molly Quick, dam of Ida 2:29 1/2, by Scott's Blue Bull, second dam Quick by Clifton Pilot 2026, third dam by Shakespeare son of Top Gallant.

Cypress by Cuyler 100, first dam Marcia S. by Williams' Mambrino, second dam Ned dam of five in 2:30 list by Edwin Forrest, third dam by Mambrino Chief 11, fourth to seventh dams thoroughbreds.

Possum Pie dam of George Campbell (three years) 2:17, Lena Hill (two years) 2:12 3/4, Judge Hurt (one year) 2:37 1/2 by Octoroon, first dam s. t. b. by son of Tom Hal, second dam s. t. b. a copperbottom mare.

Lena Hill 2:12 3/4 by Wm. M. Hill, first dam Possum Pie, dam of George Campbell 2:17 and Judge Hurt (one year) 2:37 1/2, by Octoroon, second dam s. t. b. by a son of Tom Hal, third dam s. t. b. a copperbottom mare.

Nannie E. 2:18 pacing, by Reno Defiance, first dam Lucy Q. dam of Peleg (three years) 2:23 1/4, Reno's Baby, (two years) trotting 2:25 1/2, pacing 2:24 1/4.

The proprietor of this farm is to be congratulated upon getting together such a fine collection of animals and all Texas should feel proud of the Hill stock farm.

All genuine Spooner Horse Collars have this trade mark. All others are imitations and of inferior quality.

YOU CAN GAIT YOUR HORSE

in Running Walk, Fox or Dog IN ONE HOUR Trot or Single Foot, either gait by using Prof. WHITSEL'S Saddle Gait Methods. No hobbling or anything to injure a horse in the slightest manner. Anyone can handle the methods. \$50.00 in case of failure if properly applied. Not necessarily any expense after you have purchased the method. Methods cheap. Write for particulars and testimonials.

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C MONEY. \$25 FOR 1; \$50 FOR 2; \$100 FOR 3; \$200 FOR 5; \$500 FOR 10. ADDRESS P. O. BOX 627, PORTLAND, ORE.

MINERAL WELLS, TEX

Rapidly becoming the greatest watering place of the South, is reached only via the Weatherford, Mineral Wells and Northwestern railway. Excursion tickets are on sale with the principal roads of the state. All Santa Fe and Texas and Pacific trains make connection at Weatherford, Texas, for Mineral Wells.

For further particulars, address, W. C. FORBESS, Gen. Freight and Pass. Agent, Weatherford, Tex.

TIME TABLE.

Effective, November 1, 1893. Daily Except Sunday.

Leave Mineral Wells 7:30 a. m.	Arrive Weatherford 11:30 a. m.	Leave Weatherford 11:30 a. m.	Arrive Mineral Wells 12:50 p. m.
Sunday Only.			
Leave Mineral Wells 9:00 a. m.	Arrive Weatherford 11:30 a. m.	Leave Weatherford 11:30 a. m.	Arrive Mineral Wells 12:30 p. m.

THE GREAT Live Stock Express Route.

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Between Kansas City, Chicago, St. Louis, Hibee and intermediate points. Bill all shipments via this line and thereby insure prompt and safe arrival of your consignments. The pioneer line in low rates and fast time.

Shippers should remember their old and reliable friend. By calling on or writing either of the following stock agents, prompt information will be given.

- J. NESBITT, General Live Stock Agent, St. Louis.
- J. A. WILSON, Live Stock Agent, Fort Worth, Texas.
- JEROME HARRIS, Live Stock Agent, San Antonio, Texas.
- JOHN R. WELSH, Live Stock Agent, U. S. Yards, Chicago.
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Burlington Route. SOLID THROUGH TRAINS

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THROUGH SLEEPING CARS FROM Texas points via Hannibal To CHICAGO

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DO YOU RIDE A SADDLE?

Save money and secure comfortable riding by using DON'S IMPROVED PATENT SEAT STOCK SADDLE

Write for prices. Don's Improved Saddle Co., 1012 CONGRESS AVE., HOUSTON, TEXAS. FOR LOWEST PRICES MENTION THIS PAPER.



SAN ANTONIO.

Branch office Texas Live Stock and Farm Journal room 5 over banking house of T. C. Frost, San Antonio, Texas.

R. R. CLARIDGE, Mgr.

SAN ANTONIO, TEX., Jan 10.

Ike Pryor was here the first of the week and says the stockmen are the greatest people in the world to get up and come again when knocked out.

D. H. Ainsworth says John Blocker is shipping fat cattle from his Diramitt pasture. In fact that John has had rain plenty on that ranch. Ainsworth joins him on two sides, but says the rain couldn't get through the wire fence.

Nat Powell was in to see us on his way to the convention. Nat says he'd like to see anybody go away without a load, who comes to his place after bulls. He's always loaded himself, for bull buyers, no matter what grade or breed they want.

A lower country stockman was indulging in felicitations the other day over the fact that the stock thieves are enjoying a vacation. I suggested that maybe it was because the stock are too poor to run out. He said: "Claridge, darned if you ain't smarter'n you look."

Col. McKennon of Atascosa county, prefers to sell to local buyers rather than to ship on his own account. He thinks, on the whole it is more profitable, even if the shipper makes a few dollars on the stock. Besides he regards the local buyer as a necessary adjunct of the business and thinks he ought to be encouraged.

A good many stockmen who have been paying big rental for railroad lands are making a strike for a lower rent rate. It is fair that the beneficiaries of the crazy munificence of the state of Texas should have some of the results of a crazy government. My sympathies are with the men who are holding 8-cent wool and scorching prickly pear for "old brindle."

Anent the discussion upon "root pruning," which is now on among the horticulturists, may not locality, soil and other local conditions have not a little to do with the success or failure of the plan of close root pruning? That Col. Stringfellow is right in favoring short roots in his locality I have every reason to believe. But may not those of other localities, who advocate plenty of root, be also right?

Texas is a great and growing buyer of agricultural implements. The Texas stock and farm papers do a great deal to make a market for the goods and wares of the manufacturers, besides furnishing a most direct medium through which to reach the buyers of such things. And yet, these papers are under very little obligation to the manufacturers of farm implements for well-earned patronage.

The Galveston News says the country needs a process by which the egotism may be boiled out of young legislators. Maybe so, but what it needs worse is a process by which the "cuckooism" may be eliminated from a few old legislators. The News also advises the unemployed city man to "leave town and raise a crop"—to swell the volume of overproduction, presumably. To whom would he sell the crop?

Homer Eads of the International and Great Northern railroad, has compiled a list of beeves being fed in Texas, and places the number at 155,000 head, exclusive of the large number of Texas cattle being fed at southern points out of the state. It seems to me that some

understanding among feeders looking to prevent enough of these going on the market at once to demoralize it, would be in their interest most decidedly. Unless something of this kind is done, look out for a crash, followed by a slump about the 15th of March that will last all summer.

Mr. W. P. Gerfers, a leading Bexar county cattle and sheep owner, while admitting that there is no money in sheep on a free wool basis, will hold on to his sheep, for the reason that he believes the free wool and protected woolen fallacy will soon become so apparent, even to the tariff reformers, that a reaction in sentiment will result in conditions favorable to sheep raising, when they will again be good property—all the better in fact, because of their diminished numbers. He has not been without sheep in thirty years, and will keep sheep as long as he lives.

Mr. Walter Richards, the old-time horse shipper, says the idea that shutting out Mexican horse stock has anything to do with the present mean market for Texas horses, is simply nonsense; that lack of supply is not what is the matter, but lack of demand. Mr. Richards goes further and says that the main trouble comes from the tens of thousands of Mexican broncos with which this country was filled before the present embargo went into effect. Like the writer, Mr. Richards doesn't care a continental for the political phase of these questions, but views them from a purely business standpoint.

Col. R. M. More of this city, recently made an overland trip to Brownsville, and gives a glowing report of that grand region, which, when its latent resources are developed by railroads and other civilizing influences, Col. More thinks will be one of the grandest on earth. Col. More tells of a species of cactus that he saw down there, that is entirely without thorns, of very rapid growth, and that furnishes most excellent feed for cattle and sheep. There is a species of this plant growing further up the state that has very few thorns, but this is the first intimation I have had of a cactus with the thorns entirely absent. Col. More says it is very easy to propagate, and that it should be planted upon every ranch where it will thrive.

It is urged by some that the price of meat is so low in this country, that foreign dressed meat will not find it profitable to land, even with the present duty off. They forget that owing to a shortage in this country, we are expecting a rise in meat values. How will it be then? It is my deliberate opinion that if the Wilson bill becomes a law, it will not be six months before beef and mutton from the free grass of the Pampas will be rubbed under our noses, and that it will come through our own Gulf ports. The hides are coming in right now, and that's the reason it don't pay to skin "old brindle" when she turns up her hoofs. It is not too late for the cowmen of Texas to learn that the sheepmen are not the only people who should be worried by the bill of Mr. Wilson. This is, to give them a pointer. In my eleven year's connection with live stock journalism in Texas, how many mistakes am I charged with?

THE CORPUS CHRISTI COAST.

Though entirely too short, that was a most pleasant trip that I took down there last week. Things seem to be looking up and there is a quiet undercurrent of feeling with enough surface indications to justify it, that the next year or two will witness big developments on the Corpus Christi coast. There are enough prospectors loose in the country to wake up the real estate men, and among the former, "this is the coming country" is an expression frequently heard. I made a trip some three years ago to the Georgia and Florida coast, and considering the character of the raw material at hand,

it struck me as a wonder, what the Yankees had made of that most unattractive region. There are fields, orchards, gardens, palatial residences, and handsome grounds, right in the white sand barrens. There are beautiful villas and large hotels full of eastern people right in the pine woods, with neat little station houses, surrounded by ornamented grounds, and bands playing as the trains pull in and out. And with all these, in point of—well, everything rich and beautiful, that country is not in with the Corpus Christi coast. For instance, they have made a perfect bower of beauty of Jacksonville. But on one side of that city, is a low-banked, dismal looking river, with water nearly black as ink. On the other side is an interminable waste of pine barren and white sand. And the few spots that have been transformed into fairyland by the magic wand of wealth and industry, seem, by contrast, to render more desolate the primeval wilderness of pine and sand that seems bounded by the sea on one side and by swamps in every other direction. I stood the other day upon the beautiful "flower bluff." Seaward lay the lovely bay of Corpus Christi, with the charming little city of the same name, nestling where the land and water meet. Landward, stretched away to Fort Worth and beyond, a body of black land that for richness and extent is not surpassed on earth, the whole forming a combination of beauty and utility that, by comparison with the much vaunted lower Atlantic coast, is simply out of reach. And reflecting, as I sized up this incomparable combination, that the climate in point of pleasantness and healthfulness, summer or winter, is unsurpassed, I tried to imagine what the Yankees will do with this section when they get hold of it. It cannot escape their notice much longer. Indeed, the vanguard is on the ground. My stay was too short to learn much by observation, of the successful results of experiments in fruitgrowing. Fact is, fruitgrowing has passed the experimental stage. This may be realized, when I state that such practical and financially able people as those of the Coleman-Fulton pasture company, are arranging to plant to grapes, 1000 acres. On this matter of fruitgrowing, I shall have more to say after my next trip. I am indebted for courtesies to the Caller people and other genial Corpus Christians.

"You are old, my dear grandma," the little girl said as she lay by the fire with Dolly.
"For as white as the snow are the hairs on your head—
Yet you always look rosy and jolly.
"Pray tell me dear grandma, the reason for this
Why you always look healthy and spritely,
Why you never are pale when you give me a kiss,
Why you take such long walks morn and nightly!"
"The reason, my darling," her grandma replied,
"Is simple, it needs no description.
I've always been well, for I keep by my side
A bottle of Pierce's Prescription."

All ages, and all conditions of womanhood will find just the help that woman needs, in Dr. Pierce's Favorite Prescription. That's a matter that's guaranteed. If it can't be done, then the medicine costs you nothing—its makers don't want your money. For all derangements, irregularities and weakness peculiar to the sex, "Favorite Prescription" is the only remedy so certain that it can be guaranteed. If it fails to benefit or cure, you have your money back.

Dr. Sage's Catarrh Remedy positively cures catarrh.

THE HIGHEST AWARD.

Dr. Price's Baking Powder Receives It.

Chicago Tribune.

For leavening power, keeping qualities, purity and general excellence the World's Fair jury decided that Dr. Price's Cream Baking Powder had no equal. On each of its claims it was awarded a first prize or a diploma. All the baking powders entered for prizes were subjected to a most exhaustive examination, and the jury was the best equipped to make the decision of any ever got together. Their verdict was supported by the testimony of Dr. H. W. Wiley, chief chemist of the United States Department of Agriculture at Washington. Dr. Wiley is an expert on food products and the highest authority on such matters in America. This verdict settles a long debated question as to which among the many baking powders is the best.

To Stockmen:

We have succeeded to the business of the Texas Land and Live Stock Agency, and will continue same at our new quarters up-stairs, opposite Pick-hotel.

We will make a specialty of negotiating the sale of all kinds and classes of cattle, including contracts for the future delivery of same. We respectfully solicit the business of those who have cattle for sale. By furnishing us full particulars we can often find a ready customer, thus saving the annoyance and uncertainty of delays. We are now having inquiry from parties ready to buy. Some of them want young steers located above the quarantine line for their northern ranges. Others want cows and young steers from below the quarantine line for their pastures in the Indian Territory. There is also still some demand for good feeding steers, consequently we have customers for all kinds and classes of cattle, and are in good position to render efficient service to all who favor us with their patronage.

We also give especial attention to the sale of stock farms and ranches and large tracts of Texas land. We now have a few exceptionally good bargains in properties of this kind.

We respectfully solicit the patronage of the land and cattlemen of the state, all of whom are cordially invited to call at our office when in the city.

Correspondence solicited, and all inquiries promptly answered.

Very Truly,

GEO. B. LOVING & SON,

Up-stairs, opposite Pickwick Hotel, Fort Worth Texas.

NOTES AND NEWS

The Iowa Turf points out one serious fault in the average farmer's management of his brood mares, and that is in too many cases the mare is bred, to some horse that happens to please the eye of the owner of the mare without considering the natural result of such mating.

If you attempt to save your own garden or field seeds, save only from the best and healthiest plants you can find. In the matter of propagation by grafting, budding and cutting, it is well to be sure that the plant which you propagate from is healthy. Carelessness in this respect has doubtless had much to do with the notable and rapid spread of plant diseases in recent years.

In J. B. Perry's great breeders' sale, at San Antonio, Texas, on Wednesday, January 31, 1894, the stock to be sold represents the blood of the most successful and celebrated sires known to the trotting world, as follows: George Wilkes, Electioneer, Hambletonian, Red Wilkes, Onward, Banker, Happy Medium, Bermuda, Almont, Fayette Wilkes, Hambletonian Prince, Sultan, Clark Chief, New York, Alfred, G. Dictator, Empire Wilkes, C. F. Clay, Hylas, etc., etc. This sale will give breeders an excellent opportunity, to buy first-class animals and improve their stock.

In last week's JOURNAL several errors were made in the pedigree of Mr. J. W. Barbee's horse, Black Time, and the pedigree is here regiven. Sired by Hambletonian Mambrino 54; record 2:21 1/4, and the sire Wild Rake 2:22 3/4, Hayden 2:26 1/2, Billy McCracken 2:24 3/4, St. Clair 2:26 1/2, Big Four 2:22 1/4, J. J. C. 2:24 1/4, Shamrock 2:25, Katie Cahill 2:26 1/2, etc. Black Time's first dam Bessie, sister of Josie Sellers, the dam of two in the 2:30 list by Mambrino Time 1685. Sire of Four Corners 2:20 1/4, Emmet 2:29 1/2, Mambrino Dick 2:24, etc., and the dams of Temple Bar 2:17 3/4, Silverone 2:19 3/4, C. C. 2:16 1/4, Shadeland Onward 2:18 1/2 etc. Black Time's second dam by Mambrunello 221, the sire of Sadie Howe 2:26, etc., he by Mambrino Chief 11.

The certainty of a market goes a long way toward assuring success when one begins the business of fruit or vegetable growing. One of the best ways in which this can be accomplished is by establishing a canning factory wherever these lines of work may be engaged in to such an extent as to justify them, and where the local market cannot absorb the whole production easily—that is, without breaking prices below the profitable limit. The cannery will often relieve the market from a surplus, and so support prices when they would otherwise drop very low. The cannery should be co-operative, and all labor and business management be divided among the producers as far as possible, so that the entire distribution of money shall be right among themselves. If first-class goods only are turned out it will be easy to build up a home trade for the canned as well as for the fresh product, and so save the expenses of shipment, agents' and wholesale dealers' profits. Home manufacture of the farm products and co-operation in business affairs will do much to add to the profits of many branches of agriculture.

How's This!

We offer One Hundred Dollars reward for any case of Catarrh that cannot be cured by Hall's Catarrh Cure.

F. J. CHENEY & CO., Props., Toledo, O.

We the undersigned, have known F. J. Cheney for the last 15 years, and believe him perfectly honorable in all business transactions and financially able to carry out any obligation made by their firm.

West & Truax, Wholesale Druggists, Toledo, O. Walding, Kinnan & Marvin, Wholesale Druggists, Toledo, Ohio.

Hall's Catarrh Cure is taken internally, acting directly upon the blood and mucous surfaces of the system. Price, 75c. per bottle. Sold by all Druggists. Testimonials free.

CORRESPONDENCE.

CALLAHAN COUNTY.

An Interesting Review of the Live Stock and Farming Interests—The Outlook—Items of Interest.

BAIRD, TEX., Jan. 7.

Editor Texas Live Stock and Farm Journal:

It may be of some interest to your many readers to again hear from Baird and Callahan county, and know the present conditions and future outlook of and for those whose lots have been cast in and about this favored section of our big state.

Last year was dryer than usual, and grass is and was expected to be scarcer than usual. Many cattlemen predicted a hard winter and heavy losses in stock, and some made expensive deals for pasturage further west and northwest. So far, however, we have the mildest winter known for years. No snow or sleet, no blizzards and very little wet and damp weather, and our friend, Col. Larkin Hearn, says that a cow that wouldn't go through this kind of a winter on "wind and water, moonshine and exercise" is absolutely no good.

There has been some shipments of beef cattle from Baird lately, but we understand the results were not very satisfactory and unless the market improves rapidly shipments will be very light for the next thirty or forty days.

S. E. Webb and O. S. Marshall shipped two carloads of horses from Baird last Friday. The former went to Mississippi and the latter to Terrell, Tex. While their train was being held in the yards at Weatherford a short time for orders, thieves looted the caboose and relieved Messrs. Webb and Marshall of their valises and all the good, new clothing they were so careful to provide for the trip.

We had a fine rain here two weeks ago that furnished stock water and a good season on wheat and for plowing. Our wheat prospects are good, and dirt is flying now for oats and other crops.

A couple of Panhandle cow buyers were here last week offering \$8 for cows, 1000 or more, but failed to get what they wanted.

Now, in conclusion, Mr. Editor, if you have any readers who want homes, farms, ranches, unimproved lands, cattle or horses, in a rich, healthy and prosperous country be certain to send them to Callahan county. It will be good for them, and besides, we need them badly in our business.

WEBB & WEBB,

Attorneys, Land and Live Stock Agents.

Go buy the book on Beecham's Pills.

If the cows are allowed to go dry early in the fall for two or three years, it will be difficult to break them of this habit and the better plan is not to commence.

The money value of rich food as compared with poor is largely increased when fed to rich cows instead of poor cows. It is a waste of money to use poor food and it does not pay to keep poor cows.

Come or Write.

50,000 acres, lower country, alternate sections, at \$1 per acre, third cash, balance long time at 8 per cent, with the state sections leased; would make a splendid cow ranch.

Lower country, solid body, 35,000 acres, mostly fine farm land, in the line of railroad development, and for present use or speculation a genuine snap, at \$1.25 per acre, easy terms. Might take some good city property as part payment on this tract.

\$16,000 general merchandise and town property for land in South or West Texas.

Good paying San Antonio hotel business for merchandise or land.

Some bargains in farm, fruit and garden lands on the Texas coast.

Good business and some black land farms; all free and clear for tract of land suitable for stock farm, near Austin, San Antonio or Houston.

Some fine improved San Antonio property to exchange for ranch.

Some extra good improved horse stock to exchange for land or cattle.

Some good San Antonio property to exchange for land.

Steers, stock cattle and sheep for sale.

If you want to buy, sell or trade anything I am liable to do you good. Office over Frost's bank, San Antonio, Tex.

R. R. CLARIDGE.

LADIES

Needing a tonic, or children who want building up, should take BROWN'S IRON BITTERS. It is pleasant; cures Malaria, Indigestion, Biliousness, Liver Complaints and Neuralgia.

PUBLIC SALE

—OF—

Kentucky Bred Trotting Stock

SAN ANTONIO, TEX., JANUARY 31, 1894.

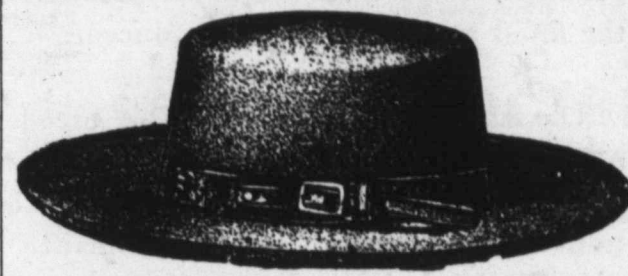
Sixty head of Stallions, Brood Mares, Colts and Fillies; also a few fine road geldings. This stock is all

HIGHLY AND FASHIONABLY BRED,

and selected for their individual merits as well as breeding. Will be sold without reserve. For catalogue, address.

J. B. PERRY,

LEXINGTON, KY., Until January 20, then SAN ANTONIO, TEX., care Menger Hotel.



WOOD & EDWARDS,

Formerly with John B. Stetson, Philadelphia.

Hat Manufacturers and Repairers

No. 344 1/2 Main St., DALLAS, TEX.

Silk, Derby and Stetson hats cleaned, dyed stiffened and trimmed equal to new for \$1.35. Work guaranteed first-class. Orders by mail or express promptly attended to.

"Cowboy" Water Elevator.

This new invention the result of practical ranch experience by a practical cowman has just been patented, and while on exhibition at the Dallas State Fair met with approbation from all the prominent stockmen of Texas who saw it in operation. There is one on exhibition in Fort Worth at present. All stockmen and farmers are invited to see it. One gallon a second or 3600 an hour can be raised out of a well fifty feet deep by any boy with a pony, saddle and stake rope. It only weighs fifty pounds and only costs \$50 delivered at any railroad station in Texas.

Nothing to break—nothing to wear out. Works in dug wells only. Any man that can build a fence gate can set it up. No wind or steam necessary to run it. You can water 1000 head of stock in one hour with one of them from a twenty-five foot well, or you can irrigate an acre of land in three hours with it. County rights for sale by

J. H. MILLIKEN, General Agent. Care Pickwick Hotel, Fort Worth, Tex.

Cattle For Sale.

We will sell for spring delivery 2000 good San Saba county cows at \$8 75.

4000 Donley county three and four year old steers at \$18 and \$22 50.

1000 good Hunt county steer yearlings at \$7 50.

1000 good Callahan county steer yearlings at \$8 25.

2000 good DeWitt county steers, four and five years old, at \$18.

800 Scurry county two-year-old steers at \$4.

200 Scurry county three-year-old steers at \$17.

1000 steers, aged from two to four years, Scurry county, for \$16 for the lot.

300 first-class Palo Pinto county threes and fours at \$21 for 200 tops.

500 Falls county yearlings at \$7.

1000 meal-fed steers, about ready for market.

1000 Hopkins county yearlings at \$7 25.

100 Coryell county steers, five years old, \$16 50; 50 fours, \$15 50; 50 threes, \$13 50.

These cattle are in good condition and must be sold at once.

GEO. B. LOVING & SON, Opposite Pickwick Hotel, Ft. Worth, Tex.

CAUTION—Buy only Dr. Isaac Thompson's Eye Water. Carefully examine the outside wrapper. None other genuine.

Dr. Price's Cream Baking Powder

World's Fair Highest Medal and Diploma.

A Correction.

Mistakes are sometimes made by the best of men, and while the JOURNAL prides itself on making but few mistakes, still, it is not infallible. It is with much pleasure that the JOURNAL corrects a mistake in the For Sale advertisement of Mr. W. Gettys of Athens, Tenn., which has been running now for a month past, and which has made that gentleman's postoffice address Athens, Tex., when it should have read Athens, Tenn. Any of our readers who have written Mr. Gettys at Athens, Tex., are requested to address him at Athens, Tenn.

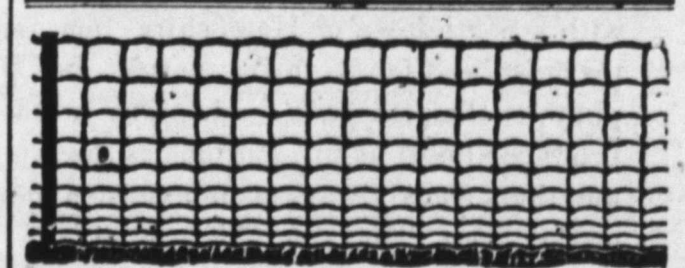
“Many diseases arise from one cause—blood impurity.”

Beecham's Pills

(Tasteless)

Purify the blood and, thus, go to the root of many maladies.

25 cents a box.



The Longest Pole

Knocks the Persimmons.

So the long test knocks out shoddy fences. The Hon. John Walker of Fayette, Mo., writes: "Four years ago I bought your fence for a deer park, and it has proved so satisfactory I now want prices on farm fences." Unripe testimonials, like green persimmons, lead to profanity.

PAGE WOVEN WIRE FENCE CO., Adrian, Mich.

CHEAP LANDS.

In Southwest Missouri Farm Lands never so low. Great opportunity for the Homeseeker and Investor; no lands to rent. Send stamp for farm list and information concerning the best corn, hog and fruit country. Address

HILL & HILTON,

Appleton City, Missouri.

Please state that you saw our advertisement in the Texas Live Stock and Farm Journal.

SHEEP AND WOOL

The Chicago Stockman reviews the past year's sheep business as follows: "The sheep trade for 1893 will long be remembered as the most remarkable in market history. In the first place there had been a too liberal feeding the year previous in all parts of the country and when wool prices become unsatisfactory the 'dumping' process began, resulting in the Chicago market being flooded the latter half of the year with enormous supplies, so immense in fact that every available channel of outlet became glutted, the refrigerators and coolers filled and even hastily provided cold storage facilities were over-crowded. After the first quarter of the year prices went from bad to worse until the lowest quotations ever known prevailed, thousands of mutton sheep selling this fall between \$1.00@2.00. So low in fact were values that dressed mutton men believed it to be the chance of a life time and filled up every resource they could press into service until now they are only buying for the immediate block trade. It will take not only a long spell of moderate receipts but considerable time to work off the surplus carcasses on hand before there is any health to the demand, but the future is brighter and some fine day shippers will wake up to the fact that the country is nearly barren of a reserve supply and then will come remunerative times for those having the courage to hold and feed during the recent depression. The sooner the sheep feeder operates on a basis for mutton and leaves the fleece out of the basis of figuring, except as a side issue, the sooner will the sheep industry be on a substantial and profitable footing."

The Dorset-Horn Sheep Breed.

E. P. Smith in Agricultural Epitomist.

This is one of the more recent breeds of sheep that have been introduced into this country, and it has not yet been adopted to any great extent by western sheep raisers. In the eastern states there is no breed that has reached a greater popularity in the short space of time that it has been with us. It is the universal opinion of sheep breeders that it will be only a matter of a year or two before western sheep owners will become as enthusiastic over the Dorset-Horn breed as is now the case in the east.

The breed is essentially a mutton breed, and the western markets have not yet begun to pay the higher prices for extra fine mutton. In the east a vast distinction is made in the value of good mutton and lamb. Early lambs, in the eastern markets, of fine breeds command two and three times as much as the meat at other seasons and of ordinary animals. The Dorset lambs come into the market earlier than most breeds, and when properly grown they are ready by March or April and weigh from ten to twelve pounds per quarter. The Dorset ewes are crossed with a Southdown or Hampshire ram, and the cross-bred lambs thrive better and get plumper than the pure bred. The wethers produce almost as fine muttons as the lambs and their meat always commands a good market price. But the chief excellence of the breed is the early and rich, juicy lamb that can be raised.

The Dorset-Horn sheep have long had the extravagant claim of producing two litters of lambs in one season, and many who buy them do so with this understanding. The result is unsatisfactory, for the meat is hardly as good as that of other breeds. No breed could be maintained under such a treatment. In two years the animals would so degenerate that they would be of little account. One litter is all that they can stand in one season and do justice to the lambs.

Probably the best pasture for the Dorset-Horn sheep is a good blue-grass, which has not been stocked through the summer, and on this the ewes can run when the weather is fit. They are remarkable for their flow of milk when good feed is given to them,

and it pays to supply them with a fair pasture land. Most breeders in the east who raise the lambs for early market feed the ewes roots to help keep up the flow of milk, and also a liberal supply of oats, bran and oil cakes. These rations are repaid amply for in the end, for the lambs are bred only for those who can pay fancy prices. During the present season of depression in wool and mutton it is doubtful if many sheep raisers have made money, but several who make a specialty of raising early Dorset-Horn lambs for the markets assert that there has been no falling off in their profits. Fancy mutton and lamb are in demand, even during times of great scarcity of money, and feed has been, if anything, cheaper this season than ever before. The lambs of the Dorset breed are generally placed upon the market at a season when most breeds have hardly begun lambing, and for this reason the breed must be of value in the west. With the proper kind of lamb placed upon the city markets there would soon be a good demand, and growers would not have to wait long for purchasers. As the breed has become a great success in the east, so must it become in the west, where rich people in the large cities are already demanding the finest meat that can be produced.

The fastest mile shown at the breeders' meeting at Dallas, Tex., December 27, was made by Electryon, the game son of Electioneer and Lina K. His performance is worthy of mention. This horse went into training late in the summer and made a record at the state fair of 2:26 $\frac{3}{4}$, finishing fast and strong. It was clear to all that he had much reserved speed. Results have justified expectations, as he has just lowered his record to 2:24 $\frac{3}{4}$, on an unusually heavy track. For this season of the year the mile was a most creditable one for a stallion. It was said by horsemen present that with a little more work Electryon can beat 2:20, and Mr. King, his trainer, says Electryon has shown as much speed as any trotter he has ever handled, he having driven him eighths better than 16 seconds. Electryon is bred in royal line, his sire being the great Electioneer and his second and third dams being by sons of Hambletonian 10, and his first dam by Don Victor, son of Williamson's Belmont, from whom have sprung through their dams the gamest trotters of the world. Bred on his sire's side like Arion, 2:07 $\frac{3}{4}$; Sunol, 2:08 $\frac{1}{4}$; Palo Alto, 2:08 $\frac{3}{4}$; and on his dam's side like Directum, 2:05 $\frac{1}{4}$; Hulda, 2:08 $\frac{1}{2}$; W. Wood, 2:07; Our Dick, 2:10 $\frac{1}{4}$; Adonis, 2:11 $\frac{1}{4}$; Cyrus, 2:14 $\frac{1}{4}$, and over seventy-five other 2:30 trotters in whom is found old Belmont's blood, much is expected of this horse in enriching the blood of Texas. His smooth, frictionless line trotting, together with the matchless beauty of the horse, challenged much admiration. The Electioneer stock farm of Dallas, which owns this horse, is to be congratulated on his performance.

Two for the Price of One.

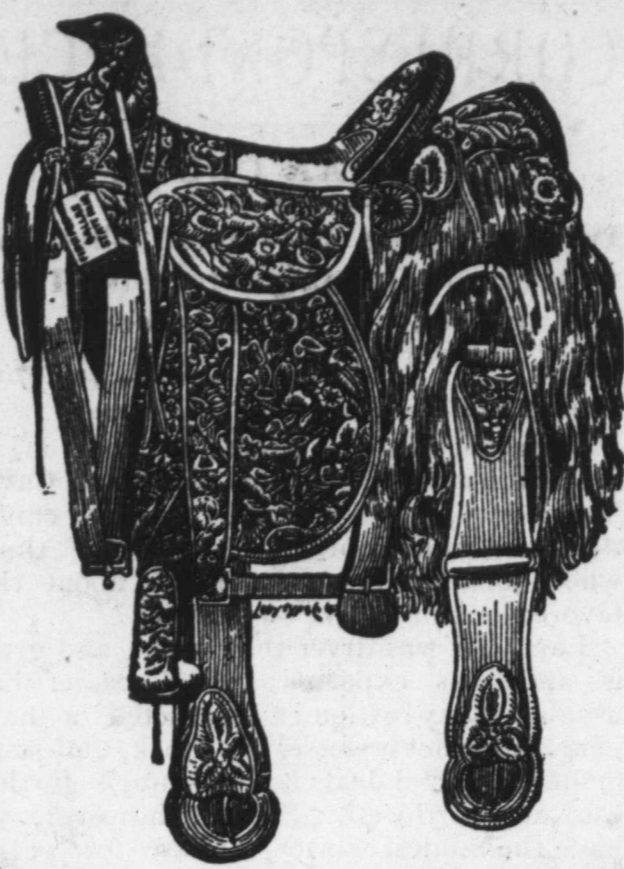
The Kentucky Stock Farm, devoted to fine horses, horse raising, breeding, etc., and the acknowledged leader and best authority on that class of live stock, the subscription price of which is \$2 will be furnished in connection with the JOURNAL for the price of the former.

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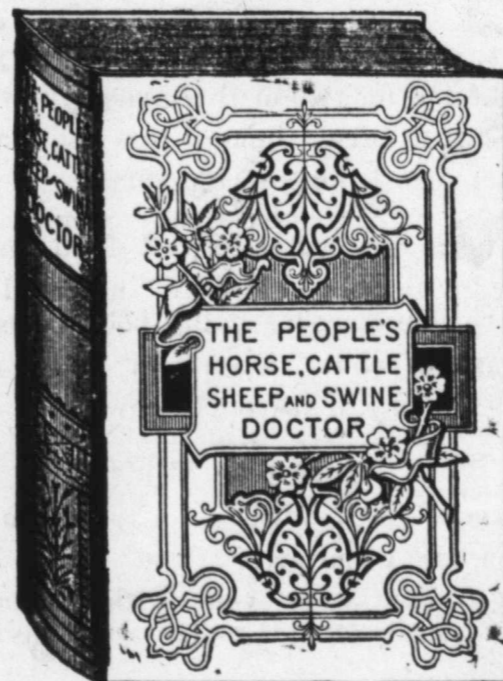


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SWINE.

It requires fully one-half of the food an animal can consume to maintain it, and the profit it is possible to secure comes from the last half only.

A farmer does not want the stock of an animal that has no individual merit to back the pedigree. A combination of good pedigree with individual merit is necessary in a good breeding animal.

If the hog is healthy when the fattening process begins there is but little danger of his getting out of sorts afterward; especially if he has a chance at our condition powders, so often described in these columns.

A cabbage, or roots of any kind will be a great feast to the confined boar, will promote his health, vigor and digestion. A good, dry, warm shelter, or anything that will add to growth and vigor will be favorable to coming litters.

Now is the right time to commence to prepare for next year's litter, by giving the sow the best of care; feed her mixed rations, treat her gently and see that she does not have to drag over bars or other obstacles.

There is no good argument against fattening hogs in a pen, if the pen is in the hands of the right man. It must be large enough to afford some room for exercise, must be kept clean, it must be frequently littered with fresh leaves, straw, etc., to absorb the moisture, and there must be a good variety of food.

From this time on it is a good plan to have your hogs in such condition that they may be sold any day, so that you may take advantage of any sudden favorable turn of the market. This often pays better than to devote yourself to the work of feeding them up to the last possible notch of fat. When you have done that you are very nearly obliged to sell at once, for if you then hold longer for a good market the subsequent feeding will be done at a loss.

The objection commonly given to inbreeding has its reservations. One of these is in breeding swine. All the best breeds have been built up by breeding in and in, or mating animals nearly related so as to best perpetuate their good qualities. Of course, in doing this, care should be taken not to breed animals that are in any way defective. The constant tendency of neglect is toward retrogression in body and character in every respect. Defects are perpetuated quite as easily and surely as are excellences. If the animals are very closely related the presumption always is that whatever defects they have are of like character, so that inbreeding intensifies them. But if you have pigs well formed in every way and suitable for breeding the mating of near relatives will bring progeny quite as good as their progenitors. Whenever signs of defective constitution appear it will be time to change to another strain of the same family. Crosses from very different breeds ought always to be inbred, not among themselves but by the male of the breed whose qualities you find best fitted to your locality and circumstances. Then you will have a three-quarter blood,

and further breeding to the same stock will make the progeny seven-eighths full-blood, and for most purposes as good as full-bred, says American Cultivator.

Pigs for Pork.

A well-known farmer who has made the rearing of pigs for pork a special business, says Southern Farmer, declares that it is easy to make the dressed meat for 2 cents a pound, counting every expense, including the interest on the value of the land, thus leaving a handsome profit for the feeding.

His practice is to grow clover for summer pasture of the pigs, and, by keeping a dairy for fine butter making, to utilize the sweet skimmed milk for feeding them. The cows are fed on ensilage, made the previous fall, and this is helped out with roots, which are largely fed to the brood sows in the winter. The sows thus fed have two litters a year, and some of them rear more than twenty pigs each year. The pigs are of the Cheshire breed, well-known as prolific breeders. The first litters come in March, and are sold during the summer as small pigs, but they nevertheless, weigh an average of 300 pounds. They are out of the way in November, by which time the second litters have been weaned and are ready to put up for feeding on the roots and the soft corn, the latter being the best grain food. By February, or sooner, the litters are ready for sale, and by high feeding and warm quarters, partly in underground pens, they easily reach a weight of 300 pounds. In this way the pork is made for such a price as to make the largest profit.

In a Journalist's Sanctum.

Perhaps no library is more carefully selected than the working library of a newspaper. There is no telling what the next hour will bring forth in the world of news, and yet a newspaper must be prepared to accept everything that comes along. Naturally its library contains books for work, not for show or mental diversion.

For that reason the volumes on the shelves are largely books of reference, biography, history, geography, science, arts and statistics. The selection must cover so much ground that any question submitted can either be answered in a few minutes, or after the further searchings suggested by some printed authority in the newspaper library.

There is one work, however, that is invaluable to the newspaper man—the Revised Encyclopedia Britannica. No work of reference is handled as often, no other volumes are opened as frequently, and no other product of the publisher's art is valued as highly as that epitome of the world's knowledge—the revised edition of Encyclopedia Britannica. This is the work which we are offering our readers for 10 cents a day, and the payment lasts for only ninety days.

This paper goes on the principle that what is best for itself is good for its friends. It knows and thoroughly appreciates the value of the Britannica, and when it ascertained that it could place the twenty volumes in the hands of its readers for 10 cents a day, it gladly put out its famous Encyclopedia proposition. This greatest of all reference libraries, which you may now obtain for \$1 down and 10 cents a day, will before long be out of your reach. Don't lose this opportunity.

If you feel weak and all worn out take BROWN'S IRON BITTERS



Saved Her Life.

Mrs. C. J. WOOLDRIDGE, of Wortham, Texas, saved the life of her child by the use of Ayer's Cherry Pectoral.

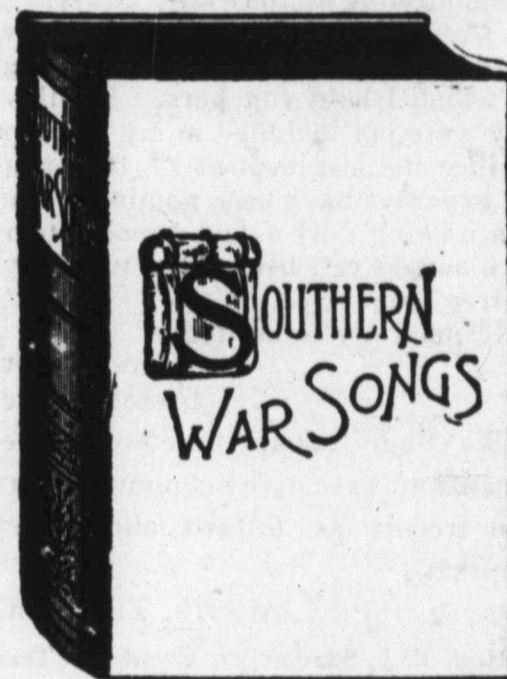
"One of my children had Croup. The case was attended by our physician, and was supposed to be well under control. One night I was startled by the child's hard breathing, and on going to it found it strangled. It had nearly ceased to breathe, realizing that the child's alarming condition had become possible in spite of the medicine given, I reasoned that such remedies would be of no avail. Having part of a bottle of Ayer's Cherry Pectoral in the house, I gave the child three doses, at short intervals, and anxiously waited results. From the moment the Pectoral was given, the child's breathing grew easier, and, in a short time, she was sleeping quietly and breathing naturally. The child is alive and well to-day, and I do not hesitate to say that Ayer's Cherry Pectoral saved her life."

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Camp-Fire, Patriotic and Sentimental.



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"The war songs of the South are a part of the history of the Lost Cause. They are necessary to the impartial historian in forming a correct estimate of the Animus of the Southern people."
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CITATION BY PUBLICATION.

No. 8318.

THE STATE OF TEXAS.

In the district court, February term, A. D., 1894. To the sheriff or any constable of Tarrant county, greeting:

You are hereby commanded, that by making publication of this citation in some newspaper published in the county of Tarrant, four weeks previous to the return day hereof, you summon Charles Grimm and Charles F. Runge, composing the firm of Grimm & Runge, and C. M. Kendrick and C. A. Kendrick, composing the firm of C. M. Kendrick & Co., who are non-residents of the state of Texas, to be and appear before the district court, to be holden in and for the county of Tarrant, at the courthouse thereof, in the city of Fort Worth, on the second Monday in February, A. D., 1894, the same being the 12th day of February, A. D., 1894. File number being 8318, then and there to answer the petition of Jacob Foster, filed in said court on the 14th day of December, A. D., 1893, against the said Grimm & Runge and C. M. Kendrick & Co., and alleging in substance as follows, to-wit: That plaintiff owns in fee and is possessed of the southeast quarter of block 11, in Moore, Thornton & Co's addition to the city of Fort Worth, Tarrant county, Tex., that on December 7, 1888, plaintiff purchased said property from Frank P. Capera, and said Capera purchased said property from A. R. Mignon on November 15, 1888, and used and occupied same as a homestead from the time of his said purchase up to date of sale of same to plaintiff. That on May 9, 1888, defendants, Grimm & Runge obtained a judgment against the firm of Capera & Bro., a firm composed of John F. P. Capera and Frank P. Capera in the county court of Tarrant county, Texas, for the sum of \$427.50 and costs. That on October 22, 1889, defendants, Kendrick & Co., obtained judgment against said firm of Capera & Bro., in said court for the sum of \$52 and costs and each filed recorded abstracts of their said judgments in the office of the county clerk of Tarrant county, Tex., which creates an apparent lien and incumbrance upon plaintiff's property. Plaintiff prays that the court decree, that the said abstracts of judgment, are null and void and of no effect as to plaintiff's property, and that they constitute do lien or incumbrance thereon or cloud upon plaintiff's title thereto, and for judgment for costs and for special and general relief, etc.

Herein fail not, but have you then and there before said court this writ, with your return thereon, showing how you have executed the same.

Witness, E. H. McNatt, clerk of the district court of Tarrant county.

Given under my hand and seal of said court, in Fort Worth, this 15th day of December, A. D., 1893. R. H. McNatt,
Clerk District Court, Tarrant County, Texas.
By John C. Branum, Deputy.

NOTICE TO STOCK-RAISERS!

The Ft. Worth Stock Yards and Packing House

Under new management, opened for business December 4, and are now ready to handle all classes of stock, and are especially desirous of purchasing all the

HOGS—That are Produced in this Vicinity. They Will Purchase for Slaughter—CATTLE

of all grades, while buyers and commission men will be ready to forward shipments alive direct to Eastern markets, which have formerly been supplied with Texas cattle, via Chicago. Let the watchword of the Stock-Grower be the establishment of a home-market, which they have it in their power to do without delay.

SHIP YOUR STOCK TO THE FORT WORTH STOCK YARDS.

TEXAS LIVE STOCK AND FARM JOURNAL.

THE CONVENTION.

(Continued from Page 1.)

no longer a mooted question, but a settled fact. And in the matter of cheap feed, mild winters, which mean a saving of feed, to say nothing of comparative immunity from diseases, that in older states render precarious the business of hog. Texas possesses that are attracting the attention of the swine raisers all over the country. And while the inducements to engage in hog-raising in Texas are such as to justify the attention of the specialist in this line, it is as an incident to other lines of stock raising that it offers the greatest inducement to the average stock grower and in the light of the present encouraging status of the business of hog raising in Texas it is to the general farmer and stock raiser that your committee feel like giving the parting injunction to "plant hogs."

N. R. POWELL,
W. A. OATMAN,
C. Y. CALDWELL.

A motion was made and adopted that a committee of five be appointed to recommend to the convention a president, vice-president, secretary and treasurer, and an executive committee, to consist of thirteen members, to serve for the ensuing year; said committee having been instructed to report to-morrow morning. The following named gentlemen were appointed as said committee: George B. Loving, A. S. Reed, D. A. Snyder, J. W. Gamel, and N. R. Powell.

Mr. C. G. Caldwell, on behalf the committee of arrangements, composed of citizens of Austin, extended an invitation to the convention to visit the Austin dam and enjoy an excursion up the river on the steamer Chautauqua. The invitation was accepted and 2 o'clock p. m. to-morrow selected as the hour for the excursion.

On motion a committee of three were appointed by the chairman to wait upon His Excellency, James S. Hogg, governor, and also upon Hon. W. L. McLaughy, commissioner of the general land office and invite those gentlemen to address the convention at 10 o'clock to-morrow morning. Messrs. George B. Loving, J. W. Middleton and A. S. Reed were appointed as said committee.

Mr. Loving announced that the live stock sanitary commission would meet this evening at 7 o'clock, at the parlors of the Driskill hotel where they would be glad to meet all the members of the convention who could be present.

The following communication was read to the convention by the secretary:

FORT WORTH STOCK YARDS CO.
OFFICE OF PRESIDENT, 209 SOUTH ST.
BOSTON, MASS., Jan. 4.

Fort Worth Packing company, Fort Worth, Texas:

GENTLEMEN—I regret exceedingly that I shall be unable to be present at the third annual meeting of the Texas Live Stock association to be held in Austin, January 9.

I wish to extend to the convention my best wishes for the success of the live stock industry in the great state of Texas. It is now more than a year since I first visited the state, since which time I have been there six times, being accompanied by more than forty parties from the different parts of the country, and from the fact that quite a number have decided to locate permanently in Fort Worth it would seem that they fully believe in the future of that great live stock center. The chief argument which has been used against the state as a live stock market, has been removed, and acknowledged by the Chicago Live Stock Journal, that Texas can produce good beef the year round. There seems to be no good reason why a home market should not be developed very rapidly. The first car of beef ever received direct from Texas arrived in Boston, Saturday December 30, and was in fine condition, having made the run from Fort Worth in seven days. The receivers were so much pleased with the quality that they have ordered other cars to be shipped immediately. The stockgrowers have everything to gain and nothing to lose by the establishment of a home market, the value of which cannot be estimated and can only be appreciated by those living near the great stock centers of Chicago, Kansas City and Omaha, who have enjoyed their benefits for many years.

Extending to the members of the conven-

tion my best wishes and hoping to have the pleasure of meeting them all in Fort Worth at the meeting in March, I am, yours truly,
G. W. SIMPSON,
President.

On motion the convention adjourned until 9:30 o'clock Wednesday morning.

SECOND DAY.

AUSTIN, TEX., Jan 10.

The convention met at the board of trade hall and was called to order by the chairman at 10 o'clock pursuant to adjournment. Reading of minutes of previous meeting dispensed with. The report of the secretary-treasurer for the previous year was read and approved by the convention.

SECRETARY-TREASURER'S REPORT.

AUSTIN, TEX., Jan 9.

To the President and members of the Texas Live Stock Association, Gentlemen:

Since the last, being the second annual meeting of the Texas Live Stock Association held in this city February 14, 15 and 16, 1893, I have to report the following collections and disbursements:

To balance on hand as per report made February 14, 1893.....	\$111.50
To membership fee of \$5 each from 19 members enrolled February 14, 1893, and to whom certificates of membership have been issued.....	95.00
Total amount.....	\$206.50

Acting under directions of the executive committee, I have expended in behalf of the association, and for which I have vouchers and accounts approved by the executive committee the sum of.....	\$146.95
Leaving a balance on hand of.....	59.55

The above disbursements were made for and on account of the last convention and expenses incurred by the executive committee prior to the meeting of said convention. These disbursements, while made prior to the meeting of the last convention had not been approved by the executive committee, but were afterward approved, and for which I hold vouchers. For this reason they were not included in my last report.

Since the last meeting of the association the expenses have been nominally nothing. There being only a few small items, that have not, as yet, been acted upon by the executive committee.

Respectfully submitted,

GEO. B. LOVING,
Secretary-Treasurer.

The committee appointed to select the officers and executive committee presented their report as follows and which was adopted.

AUSTIN, TEX., Jan. 10.

To Hon. E. J. Sandmeyer, Chairman Texas Live Stock Association:

We, your committee appointed to select the officers of the association for the ensuing year would recommend as follows:

That the executive committee be reduced from thirteen to five members, and that the following named gentlemen be elected to compose said committee: I. B. Baker, of Houston; R. A. Smith, of Austin; N. T. Wilson, of San Antonio; C. R. Breedlove, of Fisher and A. S. Reed, of Fort Worth.

As officers of the association, we recommend Hon. D. H. Snyder, of Georgetown, for president; Hon. I. T. Pryor, of Columbus, for vice-president, and George B. Loving of Fort Worth, for secretary treasurer.

We further recommend that the president, vice-president and secretary be ex-officio members of said executive committee.

All of which is respectfully submitted,

JAMES W. GAMEL,
Chairman.

The convention discussed the question of proposed tariff legislation, but disposed of the matter by referring it to the committee on resolutions, who made the following report:

Hon. E. J. Sandmeyer, President Texas Live Stock Association:

Your committee on resolutions, to whom was referred the subject matter of the proposed tariff legislation upon wool and hides, as show in the Wilson bill now pending in the congress of the United States, beg leave to report that having carefully considered the several resolutions that were submitted to us upon free wool and free hides, we are of the opinion that as these matters belong to the domain of politics, it is not advisable that this association take any action upon the subject. Respectfully submitted,
A. S. REED; Chairman.

Hon. D. H. Snyder, the newly elected president, was then introduced, and, upon taking the chair, thanked the convention for the honor conferred upon him.

The committee on railroads and stock

Highest of all in Leavening Power.—Latest U. S. Gov't Report.

Royal Baking Powder

ABSOLUTELY PURE

yards presented its report, which was adopted, and is as follows:

AUSTIN, TEX., Jan. 10, 1894.

To the President:

Your committee on railroads and stock yards beg leave to report as follows:

1. We earnestly request the different railroads now operating in this state to provide such facilities as may be necessary to handle and ship our live stock to the best advantage.

2. We call attention to the fact that the Union stockyards at St. Louis do not make a commission rate on cattle in carload lots, but make a straight charge of 50 cents per head, whereas the Union stock yards at Chicago and Kansas City allow a maximum rate of \$12 per car.

Our attention has also been called to the fact that the St. Louis yards charge more for hay than is charged by the Union stock yards at other places. Respectfully submitted,

R. B. PUMPHREY,
C. T. SHROPSHIRE,
BEN J. TILLAR.

It having been announced that the Hon. W. L. McLaughy, commissioner of the general land office, had arrived in the hall he was introduced to the convention by the chairman, and delivered an address in obedience to the invitation extended him. His speech was well received. Upon the conclusion of his address a vote of thanks was extended him by the convention, he having stated in his remarks that he was of the opinion that the lease price for lands should be reduced; and promised that he would use his influence to have it reduced. Upon motion, a committee of five was also appointed to confer and co-operate with the commissioner in regard to leases and all matters affecting the interest of the stockmen. The following named gentlemen compose said committee: A. S. Reed, J. M. Daugherty, N. T. Wilson, E. T. Comar and B. J. Tillar.

The governor having made his appearance was introduced and addressed the convention. His speech was enjoyed and much appreciated, receiving loud applause. The thanks of the convention were tendered the governor for his address, the Board of Trade for use of the hall, the citizens for excursion to the dam and other courtesies.

Upon motion of Mr. V. P. Brown, San Antonio was chosen as the place for holding the next convention, and the second Tuesday of February 1895, as the date upon which it will meet. There being no other business before the convention it adjourned sine die.

CONVENTION NOTES.

Judge E. J. Sandmeyer of Columbus, makes an excellent presiding officer.

There was no opposition to San Antonio as the place for the next meeting. It was selected unanimously.

Governor Hogg's theory of raising hogs in Southeast Texas on jackass soup and cactus gumbo, brought down the house.

"Uncle Jake" made quite a hit with the stockmen. Several who had opposed him before were heard to say that they were now solid for McLaughy for land commissioner.

Judge C. R. Breedlove was the wheel-horse for the whole business. His good judgment, sound reasoning, together with his humorous stories, added very materially to the success of the convention.

Cols. John Nesbitt, James A. Wilson and Jerome Harris were all looking after the in-

terest of the "Alton." Col. Jim made one or two bad breaks. Serious trouble was prevented, however, by the timely interference of Col. Nesbitt.

I. B. Baker, of Houston; N. T. Wilson, of San Antonio; R. A. Smith, of Austin; A. S. Reed, of Fort Worth, and C. R. Breedlove of Fisher, will make an excellent executive committee. Under their energetic management the next meeting of the Texas Live Stock association will be a big success.

J. W. Carter of Fort Worth, live stock agent of the Rock Island, took the premium at Austin as the boss "snorer." The large number of the guests at the Driskill who were kept awake by this young man's "gourd sawing" will not soon forget handsome Jim of the popular Rock Island route.

"Shanghi" Pierce wants to sell 7000 sea lions, but is not making much fuss about it. "Shang" says all he asks is that they won't run the quarantine line between his ranch and the bay. As long as his cattle have free access to the bay where they can get an occasional sea bath and plenty of oysters he is all right, but cut off from these privileges his cattle would die and he soon become a bankrupt.

"I would strongly urge the farmers of Texas to set their farms in cotton plants. The beauty of raising cotton is that you only have to plant or set it about once every fifteen years, in fact, the average cotton bush will produce twenty years and that too without any cultivation or effort on the part of the owner."—Extract from speech of Hon J. D. Shuford, live stock agent of the Union Pacific railroad, before the Stockmen's convention.

EDITORIAL PARAGRAPHS.

ONE thing that's the matter with us is that the banks have too much money and the other fellows too little.

THE farmer should not work alone for larger yields from his fields, but also for larger returns from his market.

THE prices at which pure bred sires can now be bought makes this a good time to spit on the hands and take a fresh grip on stock raising.

SOMEONE has advanced the idea that there is a decided difference between man and money; man gets tight and is locked up; money gets locked up and then tight.

ONE way to breed up your stock is to introduce new and better blood, and another is to continually cull out the worst individuals or scrubs in the herd. Both these methods go hand in hand and should be used together.

"A \$65,000,000 surplus reserve in the New York banks" is paraded as an evidence of a returned prosperity. If each one of 6,500,000 farmers had an extra \$10 in his pocket the country would at once feel the sensation of more prosperity than it would if the banks of one city had ten times \$65,000,000 surplus.

WHAT Texas needs is a better class of live stock. If the Texas Live Stock association can instill enthusiasm enough into the Texas

stockman to induce him to kill off in some way dispose of his scrub males and supplant them with pure-bred stock, it will certainly have accomplished a great work.

Money may be made by winter feeding, but it may be lost quite as easily and quickly. Very often it is lost and the loss not discovered until too late to remedy it. The only safe plan in winter feeding is to weigh and measure everything consumed, keeping a strict account of it with the animal which consumes it. This is the only method by which the profit or loss can be determined with accuracy, and if one does not know what he is doing the chances are all against a profit and in favor of a loss. Do not be afraid to look facts in the face, and do it in time, so that you may change your methods if they prove to be wrong.

FEEDERS and shippers should feel thankful that they now have in Fort Worth a first-class stock yards and that the packing company and the eastern buyers are offering full prices for arrivals, but there seems to be a disposition on the part of sellers to expect more than could be realized by shipping to more distant markets. This spirit is all wrong, from the fact that the dressed beef trade is handled on a very small margin, and in order to establish our Fort Worth concerns in the eastern markets they must not be compelled to pay more for cattle than the Chicago packer.

THE SILO HAS COME TO STAY.

A correspondent in Farm and Home, writing about silos says:

I have used a silo for three years and it has proved a wonderful success. It enlarges the farmer's supply of succulent feed by curing corn and other crops for winter use. Most of the other crops used are hard and of a woody nature. The silo cures so that its contents are soft and at most times warm and very palatable for stock, especially milk cows. Until this year I have put corn into the silo whole, but it was hard to get out. Last fall I borrowed a corn cutter and horse power, cut and drew it from the mill and ran it through the machine, putting it in the silo as fast as we did when the whole stalks were put in. It comes out easily and much nicer, and every feeding seems to cows like a warm meal to us.

I plant the Pride of the North, the old standard corn. It is one of the best kinds to use in the silo. My business is furnishing milk to the creamery the year round. I am satisfied that for this purpose the silo is a great saving in grain and hay and a good milk producer. The silo does away with a great deal of work. Harvesting is all done at one time, the crop is not in the way and there is no worry about its being moved. I am starting into the winter with nineteen head of cattle and three horses and have been feeding ensilage about three weeks, and the cows are doing well. I feed about two quarts of grain apiece to the new milkers. The cows become uneasy at feeding time, they are so fond of the ensilage. I planted two bushels of corn for my crop and harvested about fifty tons. I am a farmer of moderate means and for that reason a

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number of neighbors questioned me as to the wisdom of building a silo, doubting if it would pay. I built mine and neighbors now also have them. The silo is a big thing for the dairyman and I believe it has come to stay.

MARKET REPORT.

Fort Worth Live Stock.

UNION STOCK YARDS, FORT WORTH, TEX., JAN. 11.
Receipts during the past week have been liberal with a strong market for everything good. Market strong on good corned hogs weighing 200-lbs, and over and offerings of this grade have been liberal, while most hogs hardened on corn for a short time, weighing 190-lbs and over have sold as low as \$4.40. Hogs weighing under 175-lbs, \$3.75@4.00.

Demand for good, smooth, fat steers, weighing 1050 to 1100 is gradually increasing. This class of stock is worth \$3.40@3.50. C. V. Woods had 1 car hogs on the market Wednesday from Lamasco; Joseph Hale's car hogs averaged 237, sold at 5c; C. G. Jackson, Clarksville, Tex., car hogs, averaging 200 lbs, at 5c; J. M. Maddox, car of hogs from Christian, Tex., sold at satisfactory prices. A. T. Heacock was at the yards Monday taking notes before shipping. A. C. Killgore, Bartlett, Tex., had car hogs here Tuesday that sold for \$4.95. J. M. Denson, Granger, had car of fine hogs here Tuesday, averaging over 300 lbs and sold for \$5.10. M. Sansom, Alvarado, Tex., had car good hogs here Tuesday that sold for 5c. J. R. Chitwood, Ardmore, had car of good hogs here Friday that sold for 5c. Mr. Chitwood always has good, fat hogs that top the market. T. P. Weathered, Hillsboro, had car of cows on market this week that were forwarded to St. Louis.

Chicago Live Stock.

Special to the Journal.
U. S. YARDS, CHICAGO, ILL., Jan. 11.

We had about 1000 head of Texas cattle here Monday. The market was quiet and values were weak in sympathy with the market for common natives. The hog market was active and generally about 10c higher. Sheep were active and prices about steady.

Tuesday's receipts of Texans was about 1200 or 1300. The market was unchanged from the previous day. Three fed Texans, weighing 149, sold for \$3.90; bulk of sales at about \$3.50@3.80 for those weighing 1000 to 1080 lbs. The hog market showed a decline of about 10c from Monday's quotations. Trade in sheep was weak at a decline of 10@15c.

Yesterday's Texas market was unchanged. The hog market regained the loss of Tuesday, and receipts sold at about Monday's figures.

Cattle receipts have been very good all the week, and to-day there were 13,006 here. The market to-day was rather quiet for all kinds of cattle. Good to choice native steers \$5.25@5.50; others, \$4.00@4.70. Texas cattle unchanged. The hog market was active and 10@15c higher; rough heavy, \$5.25@5.30; packers and mixed, \$5.40@5.50; prime heavy and butchers' weights, \$5.50@5.65; prime light, \$5.55@5.60. The sheep market was higher. Top sheep selling at \$3.50@3.75; top lambs, \$4.50@4.90.

St. Louis Live Stock.

Special to the Journal.
ST. LOUIS NATIONAL STOCK YARDS, Jan. 11, 1894.
About 1400 southern cattle were here Monday, and while the market opened slow and dull, it was generally called steady. The

top sale was for 1217-lb steers, at \$3.85, and 1000-lb cattle and over brought \$3.50@3.75. The hog market was better than last week's close. Sheep were scarce and in demand at strong figures.

Tuesday's market for Texas cattle was neither better or worse. The receipts were about 900 head. The hog market was usually 5c higher. Sheep were strong and active.

Yesterday the Texas market was possibly a little lower, sales being made at \$3.10@3.50. Texas cows sold \$1.80@2.10. The hog market opened lower, but closed strong. The sheep market was again strong. Some Texans were here and brought \$2.75@3.50. The cattle market to-day was quiet. Texans were mostly good. Ordinary to fair native steers, \$2.75@4.00; fed Texas steers, \$3.20@3.25; grass steers, \$2.40@3.30. Hogs were active and from 10@10c higher. Butcher grades, \$5.35; mixed, \$5.10@5.45; light, \$5.25@5.45. The sheep market was a shade lower. Native muttons, \$3.50@4.00.

Kansas City Live Stock.

Special to the Journal.
KANSAS CITY, MO., JAN. 11.

This market was well supplied with fed rangers Monday, also some grass stuff. A good many of the fed cattle had been well handled, but a good many more had only been warmed up. Trade was fairly active, but prices were generally 10@15c lower in sympathy with natives. The tops sold at \$3.85 and weighed \$1209. Bulk of sales for best was at \$3.25@3.55. The hog market opened lower, but closed much better. The sheep market was rather slow.

Tuesday the supply of cattle and hogs was liberal, but sheep were scarce. The supply of range cattle, however, was not so large as the day previous. The best sales were steady; others 10c lower. The hog trade opened active and irregularly higher. Taking Monday's bulk as a criterion the general trade shows 10@15c rise.

The sheep trade opened fairly active and brought about steady prices with Monday's average.

Yesterday the general cattle market was slow, weak and 10c lower. Texas steers sold at \$2.75@3.75; cows, \$1.35@3.25. The hog market strong and active. Sheep were slow and dull.

The cattle market to-day was strong and higher for best grades, and others about steady. Texas steers, \$2.60@3.50; cows, \$2.20@3.80; shipping steers, \$4@5.35; native cows, \$1.50@3.60; butcher's stock \$3.25@4.50; stockers and feeders, \$2@3.50.

W. S. Tough & Son report the horse market in Kansas City as being particularly active, more buyers than at any time during the past season. Receipts fair; prices strong at last week's quotations.
Extra draft, 1500 lbs. \$110 to \$150
Good draft, 1300 lbs. 80 to 100
Extra driver. 100 to 200

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Good drivers.....	75	to	100
Saddle, good to extra.....	75	to	175
Southern mares and geldings.....	25	to	75
Western range, unbroken.....	20	to	50
Western ponies.....	12.50	to	20

Mules—Market quiet. Very little trading except in the better grades.
14½ hands, 4 to 7 years..... 40 to 50
15½ hands, 4 to 7 years..... 45 to 50
15 hands, 4 to 7 years, extra..... 80 to 120
15 hands, 4 to 7 years, good..... 70 to 85
15½ hands, 4 to 7 years, extra..... 80 to 100
15½ hands, 4 to 7 years, good..... 90 to 95
16 to 16½ hands, good to extra..... 100 to 150

New Orleans Market Report.

[Reported by Albert Montgomery, Live Stock Commission Merchant, Stock Land-ling.]

NEW ORLEANS, LA., JAN. 8.

Editor Texas Live Stock and Farm Journal:
The market closed fully supplied with good fed beefs and bare of good calves and yearlings. Good cows and grass beefs in fair supply. Good fed beefs slow and weak. Fat cows and good grass beefs firm and fairly active. Poor stock slow sale Calves and yearlings in demand. Hog market is firmer. Sheep dull.

CATTLE			
Receipts	Yearlings	Ho. s	Sheep.
1609	1796	766	575
1548	1643	572	440
331	193	367	855

TEXAS AND WESTERN CATTLE.	
Good fat fed beefs.....	\$3.25 to \$3.50
Good fat grass beefs.....	3.00 to 3.75
Common to fair beefs.....	2.00 to 2.75
Good fat cows.....	2.50 to 2.75
Common to fair cows, each.....	8.00 to 14.00
Good fat veal calves, each.....	8.00 to 10.00
Common to fair calves, each.....	6.00 to 7.50
Good fat yearlings, each.....	10.00 to 12.00
Common to fair yearlings, each.....	7.50 to 9.00

HOGS.
Good fat corned..... \$5.00 to 5.50
Common to fair..... 3.50 to 4.10

SHEEP.
Good fat sheep each..... 2.50 to 3.00
Common to fair each..... 1.25 to 2.00

Dallas Live Stock Report.

Market quotations reported by Carter's stock yards:

MARKET QUOTATIONS.	
Choice grass steers.....	\$2.25 to 2.50
Common to fair grass steers.....	2.00 to 2.25
Choice fat cows.....	1.75 to 2.25
Common to fair grass cows.....	1.40 to 1.60
Yearlings.....	6.00 to 9.00
Bulls.....	1.25 to 1.50
Stags.....	1.10 to 1.50
Milch cows, each.....	20.00 to 40.00
Choice veal calves.....	2.50 to 3.00
Common to fair calves.....	2.00
Choice fat mutton sheep.....	2.50 to 3.00
Common to fair.....	2.00 to 2.25
Goats.....	2.00
Choice corn fed hogs.....	4.50 to 4.75
Common to fair hogs.....	4.25 to 4.50
Stock hogs.....	4.00 to 5.00

We have had a reasonable supply of all classes of stock for the past week, all good stock bring top prices, and even poor stock brought fair prices. The prospects for the future are good. All classes of cattle are advancing in price. Hogs continue to be a little slow of sale, also veal calves. Choice good hogs are firm at 5c, stock hogs not wanted. Milch cows continue to be very scarce.

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AGRICULTURAL.

We have never yet found a farmer who had a good windmill, who would part with it for the price that it cost. There are so many ways in which it can be utilized that a man can hardly fail to make it a profitable adjunct to his farm outfit.

Land plaster is a cheap fertilizer, and it might be more largely used with good results. While it will not help all soils equally wherever it is efficient, it is found to aid the crops more than the same amount of money would if expended in any other way.

Not all the weeds are wholly valueless. Some of them are very rich in nitrogen, such as pig-weed and chick-weed. And while we do not advise that you make any special effort to grow them, when they do syring up you should utilize them by turning them back under the soil.

One of the most important points connected with advanced practical agriculture is to be able to specify what particular plants take from the soil, and what can be supplied at the least expense to restore the deficiency. It is in this that agricultural chemistry must come to our aid.

The bane of our farming is that most men try to do too much. This results in the hasty, and often slovenly cultivation of too acres, when fifty, well tilled, would give far better results. The truest thing that can be said about agriculture is that thorough cultivation pays.

Under ordinary conditions farmers rarely gain anything by holding their grain. Sometimes they get a better price per bushel, but the shrinkage, interest, insurance, loss by mice, etc., make it necessary to get a price considerably larger than could be had at harvest, if they would come out even.

One of the difficulties with many farmers is that they cannot get hired help who will take a proper interest in the work. Would it not be a good plan to pay a certain sum as monthly wages and then give an interest in the crops? This is practical profit-sharing, which many manufacturers find works extremely well.

The prosperity of a town is largely determined by the prosperity of the farmers about it. This depends somewhat upon their facilities for travel, in other words, upon the condition of the roads. So it is plain that the town should not throw upon the farmers all the burden of sustaining the highways in a good condition.

Root crops could profitably be given a wider place in our agriculture than they now have. Not to enter into a discussion of their value, as compared with other crops, we will only call attention to the fact that by giving them larger space we could reduce the area and consequent production of certain crops of which we now have rather too much.

A good crop of hay may be made more profitable than an equally good crop of grain, nine times out of ten, if it is judiciously fed to stock upon the farm. The expense and labor attending the management of a hay farm are so much less than those of a grain farm that it is a constant wonder to us that more men who are burdened with more land than they can properly cultivate do not change their methods.

Use every available day now for hauling out the manure and placing it where it will do the most good. It will not waste any more in the field than it will in the unprotected barnyard—to say the least. In placing it on the land, however, it would be well to avoid hilly or sloping places, as there it will wash away. Put the manure on these just when you are ready to plow it under. Green manuring is perhaps a better method for such lands than any other.

We hear and speak of barren soils, but in actual practices such are not easily found. Soils named thus are usually only deficient in one or two needed elements. If these

were supplied the soil would become productive. If we could find just what was deficient, and supply these without going to the needless expense of also supplying the other elements of which the soil already possessed enough, we could reduce the fertilizing conundrum materially. To produce a good crop all the essential constituents of a good soil must be present, although not necessarily in the same proportion for different crops.

There would be less trouble between the farmer and the hired man if there was a clear understanding at the start as to what was expected of the latter. Let him know exactly your hours of work for the different seasons; how much in the way of chores he will have to do on Sundays and holidays; have a contract with him for a specified time, and have it distinctly understood as to when his wages are to be paid. As a rule, the hired man will be found reasonable if the farmer asks him to do no more than he has contracted for, but to give him to understand that he will have an easy place; and then try to work him like a mule, makes bad feeling.

Department of Agriculture Publications.

The following publications for the month of December, 1893, are ready, and can be had for the asking by addressing the secretary of agriculture, Washington, D. C.:

Experiment-station record, Vol. V, No. 1; pp. 146;

Editorial notes: changes in the organization of the office of experiment stations; investigations on the food of man; work by the United States Department of Agriculture in behalf of good roads; Belgian National library of agriculture; article on investigations at the Grigon agricultural experiment station by Emile Demonssy; abstracts of publications of the agricultural experiment stations; abstracts of publications of the United States department of agriculture; abstracts of reports of foreign investigations; titles of articles in recent foreign publications, etc.

Handbook of Experiment Station Work, a popular digest of the publications of the agricultural experiment stations in the United States. Bulletin No. 15, office of experiment stations; pp. 411.

A summary of the reports and bulletins issued by the agricultural experiment stations in the United States, the information which they contain relating to agricultural subjects being brought together and condensed into short articles. These are arranged alphabetically, in order to make readily accessible the principal facts which have been published regarding recent agricultural investigations.

Insect life, Vol. VI, No. 2; pp. 59-206; figs. 2-5; principal contents:

Proceedings of the Fifth annual meeting of the association of Economic Entomologists at Madison, Wis., August 14-16, 1893, including twenty-nine papers relating to the economy and life habits of insects.

Proceedings of the tenth annual convention of the association of official agricultural chemists held at Chicago, Ill., August 24-26, 1893; pp. 238, 1 fig; bulletin No. 38, division of chemistry.

Includes papers on methods of analyses of commercial fertilizers, feeds and feeding stuffs, dairy products, fermented liquors and sugars, and discussions of the same by members of the association.

Address list of the agricultural experiment stations; p. 1; circular No. 24, office of experiment stations.

Gives the postoffice address of the agricultural experiment stations in the United States, together with the names and titles of the officers in charge.

Synopsis of Report No. III, division of Statistics.

A summarized report of the average prices of the principal agricultural products of the United States and of the condition of winter wheat and rye.

Key to the subject index of agricultural literature; pp. 3; circular No. 23, office of experiment stations.

A key to the subject index of the literature of agricultural experiment stations and kindred institutions.

Experiment Station Record, Vol. IV, No. 12; pp. 995-1085.

Consists of an author and subject index and a table of contents for the volume.

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against the barb-wire fence, and your horse has a bad cut. Apply Phenol Sodique at once. In 24 hours a healthy scab will begin to form, and there will be no inflammation.

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THE PRACTICAL POULTRY KEEPER.—This is an entirely new book on poultry keeping, just published, and embraces all the latest ideas on the subject. It involves the experience of successful poultry keepers, and will teach the farmer how to make his poultry yard the most profitable feature of his farm. The book is finely illustrated, and is a complete treatise, covering the whole subject. It describes and illustrates all the various breeds of poultry, both old and new; contains designs and directions for building approved poultry houses, coops and yards; gives minute instructions in feeding, rearing, care and management; tells how to succeed and how to fail; how to produce eggs when they are scarce and why; how to grow chickens for the early markets; how to treat all diseases of poultry; how to make an incubator and how to raise artificially-hatched chickens; how to preserve eggs; how to pack eggs and poultry for market; how to raise turkeys, geese and ducks, etc., etc.—In fact, every branch of this important subject is treated in the most thorough and exhaustive manner. No farmer can afford to be without this valuable work.

THE PRACTICAL HORSE AND CATTLE DOCTOR.—Many a valuable horse or cow has been lost because the owner, having little or no knowledge upon the subject, was unable to promptly diagnose the malady and apply the proper remedies in time. This book was written by two distinguished veterinarians, one a specialist in diseases of the horse, the other in those of the cow. It describes the symptoms of every disease with which horses and cattle are afflicted, and in such a plain and thorough manner that the malady will be readily detected; it also gives the cause of every disease, a knowledge of which in many cases will avert the evil; and it likewise contains plain and explicit directions for the treatment of every known disease, as well as the correction of all unruly and vicious habits, etc. Every owner of a horse or cow should possess a copy of this book, and have it constantly on hand for reference.

THE HANDY CYCLOPAEDIA OF EVERY-DAY WANTS.—This book is a compendium of useful and valuable household information. It contains hundreds of valuable recipes for making and doing almost everything about a house, and is filled with hints and suggestions which will be found worth the weight of the book in gold to every housekeeper. This great fund of information is alphabetically arranged, so that any particular subject can be turned to in a moment. It is therefore a book for daily reference and consultation, and the information it imparts will save money, time and labor in every household. It tells how to economize money, time and labor in every little detail of household work; how to cure all common ailments; how to make various household preparations and useful articles, and treats of a great variety of topics which we have not space to enumerate.

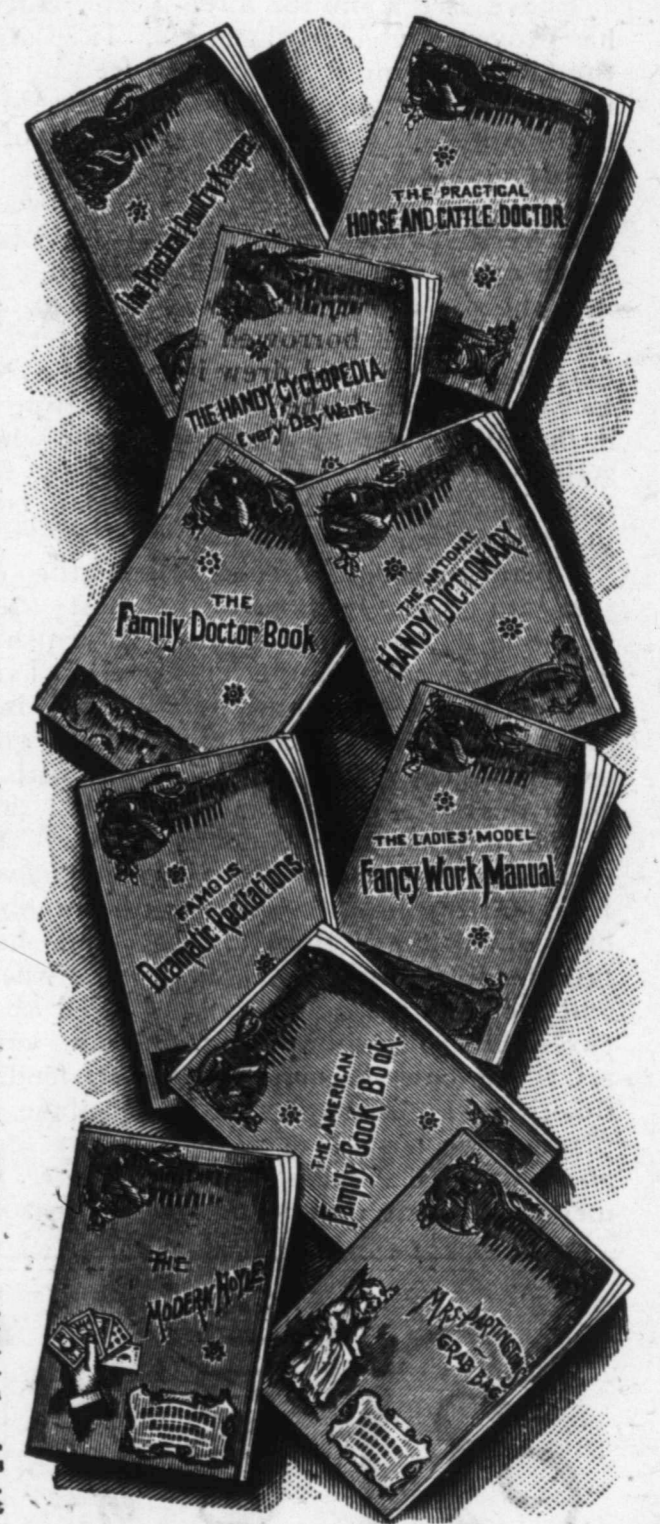
THE FAMILY DOCTOR BOOK.—This valuable book should find a place in every American home. It will save a great deal of money every year in doctors' bills. It contains plain and simple directions for the treatment of every disease or ailment of the human frame, and suggests simple home-remedies which will usually effect a cure without the necessity of employing a physician. The various topics are alphabetically arranged, so that any particular complaint may be referred to in a moment. Appended to the work proper is a valuable treatise entitled "Advice to Mothers," which will be found of the utmost value and usefulness to every mother, young or old.

THE NATIONAL HANDY DICTIONARY.—Here is a complete pocket dictionary of the English language. It contains 30,000 words, with their orthography, definition and pronunciation, according to the best lexicographers, and 237 illustrations. It is a book of 64 large octavo pages, neatly bound in an attractive paper cover, and may be carried in the pocket and consulted at any moment when it is desired to ascertain the correct spelling, pronunciation or definition of a word. The Handy Dictionary is needed in almost every home.

THE LADIES' MODEL FANCY WORK MANUAL.—This is an entirely new book, just published, and embodies all the latest ideas in needlework, crochet, knitting, and embroidery. It contains designs and directions for making nearly fifty different patterns of knitted laces, many charming crochet patterns, also instruction for making many useful articles of wearing apparel and numerous articles for home decoration, among which are tidies, chair seats, doilies, purses, table mats, shopping bags, lamp shades, shawls, Afghan, toilet sets, counterpanes, sofa cushions, chair covers, pin-cushions, dressing slippers, babies' socks, etc., etc. Full and complete instructions accompany each design, together with an explanation of the terms used in knitting and crocheting, etc. It also contains full and complete instructions in the art of embroidery, with numerous beautiful designs. The whole is illustrated by 95 handsome engravings.

THE AMERICAN FAMILY COOK BOOK.—This valuable book contains more than seven hundred of the choicest recipes for Breakfast Dishes, Soups, Meats and Poultry, Fish, Vegetables, Salads and Relishes, Bread and Rolls, Jellies and Preserves, puddings and Pies, Fancy Dishes, Cakes, Ice Cream, Summer Drinks and Confectionery, so classified as to be readily accessible, and making one of the most complete and valuable cook books ever published. This book was compiled by an experienced housekeeper, and every recipe is practical and reliable. The need of such a work in every home is manifest.

FAMOUS DRAMATIC RECITATIONS.—This book contains a large and valuable collection of the best dramatic recitations, carefully selected from the writings of the best authors. Among its contents are: "The Switchman's Christmas Story," "Gone With a Handsome Man," "The Death of the Old Squire," "Poorhouse Nan," "Fallen by the Way," "Davy's Promise," "The Seamstress's Story," "The Midnight Tryst," "Christmas Day in the Workhouse," "The Last Hymn," "Ostler Joe," "The Tramp's Story," "The Moonshiner's Daughter," "The Baby's Saver," "The Engine Driver's Story," "Karl the Martyr," "The



Crazy Kate," "The Lifeboat," "Asleep at the Switch," "Farmer Green," "The Old Wife's Kiss," "The Boy Hero," "The Light on Deadman's Bar," "Whisperin' Bill," "The Pauper's Christmas Eve," "The Old Parson's Story," "Cripple Ben," and many others. The contents of this book have been selected with great care, the aim being to include only the best, and the result is the finest collection of select recitations ever published.

MRS. PARTINGTON'S GRAB BAG.—This is the last and best book written by B. P. Shillaber, the original Mrs. Partington, and narrates the laughable adventures of the old lady and her son Ike upon a sea voyage to the West Indies, her experience with the natives of a tropical island, her testimony in a lawsuit, her death and appearance in the spirit state to Ike, during all of which she continues to murder the English language after the style for which she is famous. The book is illustrated with 67 engravings, which are as laughable as the text, and altogether it is one of the best humorous books ever written, and just the thing to drive away the blues.

THE MODERN HOYLE.—As everybody knows, Hoyle is the authority upon all games played with cards, dominoes, etc., hence the time-honored expression, "according to Hoyle." This book contains the latest official rules for playing Whist, Euchre, Chess, Cribbage, Dominoes, Poker, Draughts, Billiards, Backgammon, Napoleon, Solo Whist, Hearts, etc., and is illustrated with numerous diagrams. No matter how skilled one may be in these games, disputes and questions regarding particular points are constantly arising, which may be settled at once by reference to this book, hence the advantage of having a competent authority always at hand.

\$1.25, if remitted at once, will pay a year's subscription to the JOURNAL, and, in addition, we will send the above described Ten Useful Books.

Now is the time to subscribe.

THE STOCK JOURNAL PUB. CO.

Fort Worth, Texas.

STOCK FARMING.

Stock Foods.

The accompanying article by Mr. P. C. Reynolds of Rochester, N. Y., appeared in the Farmer. But few of the feeds are used in Texas, but they are being introduced gradually, and the article is all good information anyhow:

Until within a few years stockmen were obliged to depend upon experience and experiment for a knowledge of the best kinds of food for stock. They knew nothing of the chemical composition of different kinds of food or the changes that they undergo in the process of digestion. They were content to breed, rear and feed the several species of farm stock in complete ignorance of their anatomy and physiology of their constitution or of the mysterious processes of life. In like manner farmers were satisfied to till the soil, to sow and plant grains and vegetables, and to apply fertilizers to the soil with scarcely any knowledge of the composition of plants, cereals, legumes, vegetables and fruits, of vegetable anatomy and physiology, of how plants feed and grow and of what ingredients they absorb as food.

But the teachings of the agricultural press, first, and afterwards of the department of agriculture, of agricultural colleges, of agricultural experiment stations, and, last but not least, of farmers' institutes, have awakened a desire in our more thoughtful and progressive farmers to go a little deeper in their study of the philosophy of feeding both growing plants and growing animals. It is a profoundly interesting study and one which our farmers can not engage in too soon. The season when farmers can learn to best advantage from papers and books has arrived and they cannot spend a considerable portion of their long evenings more profitably than in carefully reading good matter pertaining to the science and practice of agriculture.

The chemist makes two important divisions in the ingredients of food, namely, those which contain nitrogen and are called proteids, albuminoids, or nitrogenous compounds, and carbo-hydrates and fats. The richness of foods, their value in sustaining life and building up cellular tissue, depends upon the ratio of the digestible proteids to the digestible carbo-hydrates and fats.

In a general sense it is believed that the office of their nitrogenous compounds is to build up the cellular tissue of the animal, hence they are called flesh-formers, and that the office of the non-nitrogenous compounds is to sustain the animal heat and they are called heat-formers. But it must be borne in mind that the proteids contain only about 16 per cent of nitrogen, the remaining 84 per cent being identical in composition with the non-nitrogenous compounds and composed of carbon, hydrogen and oxygen. Hence, while the former may be substituted for the latter in heat and fat forming, the latter can never take the place of the former in constructing cellular tissue, in renewing those cells constantly worn out—destroyed in the expenditure of animal energy.

As I have said, the nutritive value of stock foods depends upon the ratio of the digestible proteids to the carbo-hydrates. In a well balanced stock ration the ratio of the former to the latter should be as 1 to 5, 6 or 7, depending upon the ends sought in feeding, that is, the ration should contain one part of albuminoids to five, six to seven parts of carbo-hydrates. In determining the percentage of carbo-hydrates one pound of fats is considered equal to 2½ pounds of ordinary carbo-hydrates, such as sugar and starch, hence the pounds of fats are multiplied by 2½ and the product added to the amount of carbo-hydrates. In the composition of stock foods it should be remembered that a much larger proportion of the nutrients of some kinds than of others is digestible. For example, about 90 per cent of the ingredients of wheat are digestible, while only about 37 per cent of the ingredi-

ents of wheat straw are digestible. While it would require but a small portion of the time of stock to consume enough wheat to sustain life, it would be almost impossible for them to masticate and digest enough clean wheat straw to sustain life. I am well aware that sheep and young cattle have sometimes wintered at a straw stack, but it will be observed that they do not eat all of the straw, but pick out the finer parts, the leaves, etc., and succeed in getting many a stray grain of wheat. In the following table the digestible nutrients in the leading stock foods grown by the farmers of this country are given:

FOODS.	Digestible nutrients.			Nutritive ratio.
	Albuminoids.	Carbo-hydrates.	Fats.	
Meadow hay—average.....	5.44	41.0	1.7	8.0
Timothy.....	5.8	42.4	1.4	8.1
Clover—red.....	7.0	38.1	1.2	5.9
Clover—alsike.....	8.4	32.1	1.9	4.2
Hungarian.....	6.1	41.0	0.9	7.1
Orchard grass—in blossom.....	6.9	40.3	1.9	6.5
Bluegrass.....	5.9	40.0	1.6	7.5
Cornfodder.....	3.2	48.4	1.0	14.4
Oat straw.....	1.4	41.1	0.7	29.9
Barley straw.....	1.3	40.6	0.5	32.2
Wheat straw.....	0.8	36.0	0.4	46.3
Corn—western yellow.....	7.5	67.3	3.1	10.9
Wheat middlings.....	10.0	48.5	3.1	5.6
Linseed meal—new process.....	29.9	31.0	2.56	1.2
Cottonseed meal—decorticated.....	33.2	17.6	16.2	1.8
Rye.....	9.9	65.4	1.6	7.0
Barley.....	8.0	58.9	1.7	7.9
Oats.....	9.0	48.3	4.7	6.1
Buckwheat.....	6.8	47.0	1.2	7.4
Peas.....	20.2	55.4	1.7	2.9
Beans.....	23.0	50.2	1.4	2.3
Potatoes.....	2.1	121.8	0.2	10.6
Beets.....	1.0	16.7	0.1	17.0
Rutabagas.....	1.3	10.6	0.1	8.3
Carrots.....	1.4	12.5	0.2	9.3
Turnips.....	1.1	6.1	0.1	5.8

The reader will please bear in mind that this table shows not all the nutrients contained in the various foods, but those only that are digestible. It will be seen that the percentage opposite any food when added up fall considerably short of 100. The remainder consists of indigestible nutrients, ash and water. The legumes—peas and beans—contain the largest percentage of digestible nutrients, and yet only about 75 per cent of those are digestible. The oil meals come next, but of the richest of these, cottonseed, only about 67 per cent are digestible. Of the cereals the largest percentage of rye, about 77 are digestible. Rye is a rich food. When we come down to the vegetables we find that only about 24 per cent of potatoes, less than 18 per cent of beets, about 14 per cent of carrots and 7 per cent of turnips are digestible. The largest per cent of these vegetables is water. It would be impossible for animals to eat enough of them to sustain life unless they were evaporated.

Supposing that a nutritive ratio of about 1 to 6 is the most desirable in rations for a dairy, for fattening animals or for working animals, you will see, by consulting the table, that but few of the fodders are rich enough for a well balanced ration. Meadow grass and timothy are too poor, red clover is about right, but alsike is too rich, that is, it is too deficient in carbo-hydrates and fats, and could be fed in connection with some kinds of straw to advantage. Cornfodder, we see, is of quite low nutritive value, if the entire stalk were consumed but, as usually fed by farmers, the coarser, poorer part of the stalk is left. Probably what is eaten has quite a high nutritive ratio. The straws are of low value and should always be cut and mixed with meal or bran. When fed out loosely to stock and probably only the finer, more nutritive portions are eaten unless grain or oil are also fed, when perhaps all may be consumed. It is believed that feeding rich, nitrogenous foods to animals gives them an appetite for coarser foods, like straw, to balance the ration. When human beings are eating meats they relish quite a large proportion of vegetables, like potatoes, with them, making a more healthful diet. Agriculturists have but just commenced the study of foods and they should avail themselves of all the light thrown upon the abstruse subject by the investigation of scientists.



WE SING THE PRAISE OF PURE CLAIRETTE FOR IT HAS STOOD THE TEST, OF ALL THE SOAPS "OUR GIRLS" HAVE TRIED THIS "FAIRBANK'S" IS THE BEST. OUR CLOTHES SMELL SWEET, OUR LINEN SHINES THE HOUSE IS CLEAN AND BRIGHT NO WONDER FAIRBANK'S CLAIRETTE SOAP FILLS HOUSEMAIDS WITH DELIGHT. J. K. FAIRBANK & CO. ST. LOUIS.

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If you can effect a saving of 50 per cent. in the cost of your Life Insurance and have it placed in one of the Strongest of the Regular Life Insurance Companies WOULD YOU NOT CONSIDER THE MATTER?

You could give your family an estate of \$10,000 for the same money you are now paying to secure \$5000, would you not consider the matter?

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The Texas Live Stock and Farm Journal

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The Texas Live Stock and Farm Journal,
FORT WORTH, TEXA

PERSONAL MENTION.

Cattlemen, sheepmen, horsemen or any one else interested in live stock or agriculture, are requested to call at the JOURNAL offices when in Fort Worth. THE JOURNAL is always glad to welcome you. Call and make yourselves at home.

The business and editorial offices of the JOURNAL are now at 407 Main street, upstairs, in the block opposite the Pickwick hotel.

R. C. Graves, a Bowie cattleman, was here Saturday.

T. P. Weathered, an Itaska cattleman, was here Friday.

J. T. Spears, of Quanah, was here Sunday, returning home Monday.

J. B. Caldwell, the well-known Ennis cattleman, was in Fort Worth Saturday.

G. S. White, of Quanah, banker and cattleman, was in Fort Worth Saturday.

J. D. Cobb, a well-known cowman of the Panhandle country was here Saturday.

A. J. Farmer, of Bellevue, was here Monday. Says stock in his section are in good shape.

George Simmons, of Weatherford went to Brownwood Monday. George is looking for bargains.

Thomas Hutton was down from the territory Sunday. He reports cattle in good shape and doing well.

S. H. McEwen, representing that popular Streets Western Stable car line, left Monday for the Austin convention.

Capt. J. W. Good, of Quanah, came in Sunday night from a business trip to Chicago, and went home Monday.

J. W. Gibson, of Waggoner, spent a part of last week at Mineral Wells, and says he feels much better for his trip.

James Stinson of Navajoe, O. T., was here Sunday. Says his country is all right and that stock are doing well.

Doc Riddles, the Alvarado cattleman was here Saturday. The live stock interests of his section are in good shape.

Col. J. L. Pennington, general live stock agent of the Santa Fe, went to Austin with the balance of the boys Monday night.

Thomas C. Hunt, of Ranger, a well-known stockman, was here Saturday and reports his part of the moral vineyard in fairly good shape.

T. F. Cromer, of Colorado City, was here Monday. Says his part is dry, but no rain is wanted now. Cattle doing well and everyone in good spirits.

T. P. Stevens, of Dallas, at one time one of the most prominent cattlemen of the state, but who now puts in his time trading in cattle, was here Monday.

George W. Haynes came in Saturday night from Calvert. He reports cattle doing well all over the state. "Katy" went to Austin to see the boys in convention.

D. H. Middleton, of Abilene, came in Monday and went to Austin. He reports Taylor county a little dry but cattle are in fairly good shape and will winter well.

John Ledbetter, of Quanah, was down for a couple of days this week. He reports cattle in fine shape. Grass is as good or better than it has been before for several years.

C. M. Lacy, of Waggoner, was here last Friday, on route to Pecos with a load of horses. He was going out to gather and receive some cattle for his territory ranges.

W. L. Donnell, of Young county was here Saturday. He reports that section pretty dry and says grass is scarce. If the winter is hard, he says, lots of cattle will die there.

William Waddell came in Saturday from Albany where he purchased about 500 steers to be fed at Little Rock. He went on to Austin Monday where he took part in the convention.

Hon. C. U. Connelley of Eastland, ex-member of the state legislature, member of the board of directors of the Texas Live

Stock association, and a prominent citizen and cattleman of West Texas, was here Sunday en route to the city of Dallas. Mr. Connelley says stock are doing tolerably well and will go through the winter in fairly good shape.

E. B. Carver came in Saturday night from a trip to St Louis where he found everyone in the best of spirits and all of the opinion that a material increase in prices may be expected at an early date.

J. R. Stevens, of Gainesville, who is proprietor of the well-known Newport coal mines, was here Monday. Uncle Bob is a well-known cattleman and reports everything in first-class condition.

Ed H. East, the big Archer county cattleman, who is interested in cattle being fed at several mills in the state, was here Sunday. He reports cattle doing well everywhere and is very hopeful of the future.

M. French, representing the Kansas City stock yards, left for Austin Monday, where he will take in the convention and preach on the text he knows so well, "Kansas City as a live stock market."

J. D. Jeffries, of Clarendon, was here Saturday. Says cattle in the Panhandle country are doing well and the general condition of the country is better than it has been before for six years, at this same season.

Gibbons Lane, of Childress, was here the first part of the week. He can't find any complaint to make. Says all kinds of stock are in good fix and will winter well. The ranges are in good condition, and everything is lovely.

Hon. T. J. Martin, of Midland, member of the Texas live stock sanitary commission, was in Fort Worth Sunday night, en route to Austin. Mr. Martin says West Texas is in prime condition; cattle are doing well and are in good flesh and will winter well.

Coffin Bros. of Itasca, Tex., are advertising a dozen well-bred jacks for sale in the JOURNAL. Their card will be found in the "For Sale and Exchange Column," and as they are good, reliable gentlemen, the JOURNAL does not hesitate to recommend them to its readers.

J. B. Perry's great breeders' sale of Kentucky bred trotting stock, will be held at San Antonio, Texas, Wednesday January 31, 1894, at the fair grounds. The sale will commence at 9 o'clock, a. m. Mr. Perry's stock is all first class and the sale will no doubt be a great success.

J. H. Lackey, of Sulphur Springs, who is feeding a lot of steers, was here last Friday night. Mr. Lackey paid \$30 per head for his steers off the grass and they promise to make some of the finest steers sent from this state this year. They will be ready for market in a couple of weeks.

L. Zabel, the famous saddle man of Fort Worth, successor to the old-time reliable saddle manufacturer, F. T. Tackaberry, is keeping up the well-earned reputation of his predecessor and gives entire satisfaction to all. Mr. Zabel's place of business is at 514 Houston street, where he invites you to call. Write to him.

Messrs. Nanz & Neuner, Louisville, Ky. nurserymen and seedmen, are advertising their great 100-page seed catalogue of 1894 free to all who write for it. See their card and write them. They are a reliable firm and the JOURNAL hopes its readers will give them a fair share of their patronage.

R. C. Goree, assessor of Knox county, and a well-to-do stockman, was here Saturday. He reports stock doing fairly well and thinks they will go through the winter in good shape. The wheat crop of his section will be good though there is not so much, in acres, being raised this year as is usual.

Col. James A. Wilson left for Austin Monday, where he expects to take in the convention and see all the boys. Col. Wilson had a fine speech prepared for the occasion, and for ten days previous to his departure had been continually practicing on it and at last accounts had it down pat.

The colonel will doubtless make a hit with talk, and after this convention is over, he can, no doubt, increase his claim to more than "90 per cent of the business."

Lark Hearn, the prominent Callahan county cattleman, was here Monday. He, like lots of others, was going to Austin to the convention. Says all his cattle, at the home ranch and in the Panhandle, are in first-class shape and doing as well as could be expected.

The Good & Reese company, Springfield, Ohio, publish a beautiful 152-page illustrated catalogue of roses, plants, and seeds; four colored plates, one of them the wonderful new rose, Gen. Robert E. Lee. Be sure and see it. They will mail it to our readers for 10c in stamps.

Beecham's Pills, said to be worth a guinea a box, which no doubt they are, are advertised again in the JOURNAL and though they need no introduction to our readers, to all of their good qualities are well known, we cannot help saying that they are all that is claimed for them by their manufacturers.

M. Davis, the Seymour cattleman, was here Monday en route home from Sherman, where he is feeding a lot of cattle. Mr. Davis says his feeding steers are doing nicely. As to the condition of cattle in the Seymour country, he says it's a little dry, but cattle are doing well and will continue to do so.

Henry Michell & Bro., the popular and well-known live stock commission merchants of New Orleans, are, the JOURNAL is glad to learn, getting a fair share of the Texas trade. This is a good, solid concern, while its members are good salesmen and give close attention to their business. When shipping to New Orleans give them a trial.

Leavitt Manufacturing company, Hammond, Ill., advertise their improved dehorning clipper in the JOURNAL. This firm manufactures a first-class dehorning clipper and the JOURNAL bespeaks for them a share of the Texas business, and is quite sure that anyone patronizing them will find them good reliable people with whom to transact business.

S. A. Hatcher, of this city, has recently returned from a trip through the drouthy portion of the state, which has recently been visited by a sufficiency of rain to make stock water plentiful for the balance of the winter. He says most all of the cattle have been moved out of that section and those left there will winter all right unless the weather should be very severe.

J. D. Shuford, live stock agent of the Union Pacific in Colorado, spent Sunday in the city and left for Austin to take in the convention. "Shuf" is well-known and deservedly popular all over Texas, and is always warmly welcomed everywhere. Mr. Shuford says cattle are doing fairly well everywhere he has been and he does not look for much loss anywhere unless the winter is very severe.

E. P. Haigler, of Austin, is reported as saying: "There is a strip of country embracing all or portions of LaSalle, Encinal, Dimmit, Zavalla, Frio and Uvalde counties that is not equalled in the state for cattle. There are sections where on thousands of acres you can't find my hatful of grass and yet the cattle look thrifty and there will be very little loss. What a country that must be when the seasons are good."

S. B. Knight, general freight agent of the Wabash road, chaperoned by his live stock agent, J. L. Harris, is making an observation tour of Arkansas, Louisiana and Texas. He spent a few days in San Antonio last week. Mr. Knight thinks that under consumption of meat products is the only thing at present in the way of a considerable advance in price of meat stock, as he says a cattle shortage is generally admitted. Mr. Knight expresses himself as well pleased with the business received at the hands of Texas by his road last year.

Mrs. J. N. Withers, of Cresson, Texas, who raises pure-bred bronze turkeys, and

who shows her good judgment by keeping her advertisement in the JOURNAL, has placed the writer and his family under renewed and lasting obligations by supplying them with the biggest, finest fattest and tenderest Christmas turkey it has ever been their pleasure to feast on. The writer is now fully convinced that turkeys, their size, flavor and the quality of their meat generally, is as much improved by good breeding, feeding, etc., as any other class of live stock. One of Mrs. Withers' big bronze turkeys is worth a whole drove of scrubs. Those who are raising these valuable fowls should try introducing and crossing up with the beautiful and valuable birds raised and for sale by Mrs. Withers.

James E. Lee, general live stock agent of the Chicago, Rock Island and Texas, was here Friday night. Mr. Lee takes an active interest in the cattle feeding business and has about 3000 steers on corn in Iowa. These steers were originally from Texas and were purchased by him in the stock yards at Kansas City last summer, weighing at that time about 821 pounds. He says they will now weigh 1100 pounds and are not yet fat enough for market. After spending a summer in Kansas and a winter eating Iowa corn these steers will make prime beef. "I think we may safely expect better markets," said Mr. Lee. "There won't be as many early beeves on the market from Missouri, Kansas, Nebraska and Iowa, but the late cattle marketed will exceed, in large numbers the usual run." When asked about the business of his road in Texas in the live stock department Mr. Lee said: "Our road has had and is still getting a very satisfactory business out of Texas. In fact, the Texas branch is doing more business than many of our branches, and the prospects are bright for a continuance of a good business from this section."

The Bancroft company, Auditorium building, Chicago, Ill., publishers of the "Book of the Fair," have the thanks of the JOURNAL for Part 10 of this great work. The "Book of the Fair" is the only work in any-wise attempting to reproduce in print the exposition entire. In this respect it is without a competitor. It confines itself neither to art alone on the one side, nor to dry statistics on the other, but aims to present in attractive and accurate form, the whole realm of art, industry, science and learning as there exhibited by the nations, so far as can be done within reasonable limits. The work will consist of 1000 Imperial folio pages, 12x16 inches, to be issued in twenty-five parts of forty pages each, at the rate of two parts monthly, and at the price of \$1 a part. It will contain over 2000 of the finest illustrations from official sources, many of them full-page plates, covering 102 square inches of surface. This great work should be in every home. It is complete in every detail, and leaves nothing out which it should contain; neither does it contain aught that does not belong to it. The JOURNAL recommends it to its readers and is sure that everyone obtaining it will agree that the money spent therefor is well invested. The Bancroft's have a reputation that, for fair dealing, is beyond reproach.

Fred Horsburgh, manager of the Espuela company, writes from the ranch under date of January 5 and says: "The weather here is immense; mild and warm, like spring. Green grass is showing up along the creeks and heel flies have started in."

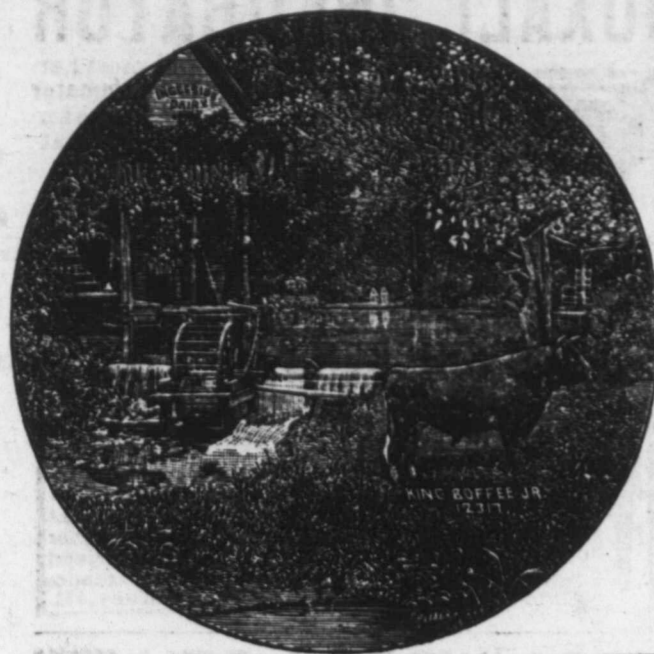
L. T. Clark writes the JOURNAL from Mangum, saying stock is doing well, grass and water a little short, but that cattle will winter very well.

Dr. E. W. Aldrich, the noted specialist of Dallas, asks for a share of the JOURNAL'S readers' patronage. See his ad elsewhere and write him.

J. H. Buchanan of Bryan writes the JOURNAL that he is feeding 2000 cattle there that will be ready for market about March 1.

Henry Schmidt of San Saba writes as follows: "I send you \$1 for renewal. I can't do without the JOURNAL."

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A Carload of Registered Jersey Heifers

From 8 to 24 months old. All the noted families represented, including the blood of the **WORLD'S FAIR WINNERS**. Also

YOUNG COWS FRESH IN MILK.

Prices to suit the times. Address

W. GETTYS,
ATHENS, TENN.

TWO YOUNG BULLS of the blood of Lilly Flag, Queen of the Jerseys, out of tested dams. Worthy to head any herd.

To Exchange.

We have \$25,000 to \$75,000 worth of first-class unincumbered inside real estate, near postoffice and Menger Hotel in San Antonio, Tex., that we will exchange for one and two year old steers or heifer cattle. Address the owners,

G. W. & D. T. SKINNER,
SKINNER BROS. & WRIGHT,
DENVER, COLORADO.

IMPROVED FARMS.

In the Wichita country in Baylor county, 15 miles east of Seymour, 5 miles south of Bellah station on the Wichita Valley railroad, 35 miles west of Wichita Falls.

Two 640-acre tracts, adjoining, each partly fenced and cultivated. One has 150 acres growing wheat, one has 150 acres being put in oats and corn in spring of 1893.

CROPS GO WITH LAND.

For the price of \$8 and \$7 per acre for the land one-third to one-half cash, balance on time.

S. M. SMITH,
Land Title Block, opp. Mansion Hotel,
FORT WORTH, TEXAS.

School Lands to Lease.

Sealed proposals will be received until Monday, February 12, 1894, by John C. Knight, clerk of the district and county court of San Augustine county for the lease of the San Augustine county school lands.

11,808 acres in Lubbock county for the term of 8 years or less.

Said lands have been heretofore leased to the Iowa Land and Live Stock Company, and are in the southern part of the pasture of said company and now inclosed by the line of their fence.

H. D. M'LAURIN,
County Judge San Augustine County, Tex.

FOR SALE.

One dozen well-bred

Tennessee and Texas Raised Jacks,

All perfectly acclimated. For descriptive circulars address
COFFIN BROS.,
Itasca, Texas.

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I am offering my trotting bred stock, Stallions, Mares and Fillies, at the Fair Grounds at Dallas, Texas, at the very lowest prices. Mares in their prime, heavy with foal to Standard Horses of the best producing breeds. I am now going to offer at one-half what their colts brought last year, and all the stock proportionately low.

Also, sixty-three and one-half acres of land, seven miles from Dallas, at \$16.00 per acre, one-half in cultivation. Rents at \$5.00 per acre.

My ranch is sold and possession given. I am going to sell despite low prices, and it affords a rare opportunity for buyers.

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Melons are not grown in our gardens as much as they should be, as many people think it impossible to protect them from

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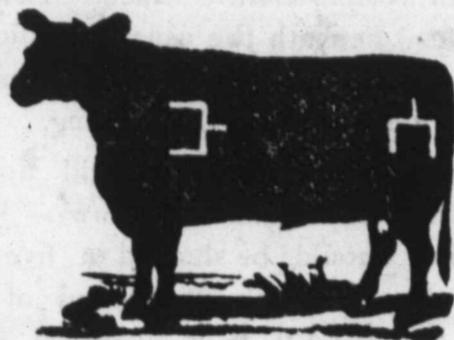
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Grade heifers at \$40.00 to \$60.00 each.

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HOUSEHOLD.

Hints to Housekeepers.

Eggs can be more successfully beaten if thoroughly chilled.

Boil brass lamp burners in salted vinegar to clean and renew them.

Boil or roast a lemon, fill with sugar while hot and eat hot. It will often check your cold.

Mildew may be removed by dipping the stained part in buttermilk, and then put the article in the sun.

Put a peck of fresh lime in the cellar to absorb the moisture. It also prevents malarious troubles.

Jute is reproduced in designs and colors of the French drapery silks, and is pretty for bedroom furniture and hangings.

Use kerosens for blood stains. Wash colored cottons and linens as quickly as possible, dry in the shade, and take off the line as soon as dry.

Never sun feather beds or pillows. Air them thoroughly on a windy day in a cool place. The sun draws the oil and gives the feathers a rancid smell.

No matter what cleansing agent you use, never allow clothes to soak more than half an hour. No one thing makes white linen look worse than soaking over night.

It is a physician's suggestion that persons meeting on a street corner should move on for their chat, avoiding the emanations from the sewer openings usually found there.

It is claimed that if lamp flues or globes are put on the stove in cold water and let come slowly to a boil it will prevent them from being broken by drafts or accidental sprinklings.

Buy yourself the new stockings, and cut your old ones down for the children, making the bottom out of pieces of flannel or the best parts of old knitted drawers or shirts, says a housekeeper.

Covers for cups and glasses used in a sick room, says a writer, can be made of cardboard and covered with a crochet cover of either white silk, wool or cotton, as preferred, a small loop being put in the middle of the top to lift it by.

To keep polished steel from rusting after cleansing, or when not in use, an experienced housekeeper says, take a cloth with a little sweet oil on it and wipe the steel over so that the surface may have a very light but warm coating of oil.

The English way of serving pineapples is to take the fruit out from the rind in a solid cone. This, with its prickly stem attached, is left intact. The pine is then sliced and piled in its natural shape and the rind fitted on. It is thus sent to the table and served.

The best way of removing the white spots caused by water drops on crepe is an exceedingly simple one. Lay the crepe on a table with a piece of black silk beneath it.

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PRICE'S CREAM BAKING POWDER

MOST PERFECT MADE.

A pure Grape Cream of Tartar Powder. Free from Ammonia, Alum or any other adulterant.

40 YEARS THE STANDARD.

Dip a camel's hair brush in ordinary ink and go over the stain. Wipe the ink off with a soft peice of silk. The stain will disappear as soon as the ink dries.

"Chestnut sandwiches" are a seasonable novelty to serve at informal afternoon receptions. The nuts should be boiled until soft, then peeled and rubbed through a fine wire sieve, the paste thus obtained being spread between small oblongs or triangles of bread.

A "Bohemian" sandwich, so called because it is popular in a certain artistic set, and smacks of being compounded in the studio with a palette knife, perhaps, is composed of olives stoned and finely chopped and cottage cheese rubbed to a smooth paste with Worcestershire sauce. This filling is spread beneath the usual thin slices of buttered bread, and is a spicy accompaniment to a glass of ale in the evening.

A recipe for whitewash that will not be washed off by rain reads as follows: "One peck of lime should be slacked in five gallons of water, in which one pound of rice has been boiled until it is dissolved. The rice water should be used hot, and the mixture covered over closely until the lime is slacked. Then add a pound of salt, and the whitewash must be heated to boiling point when used.

Be careful where you keep flour. Like butter, it absorbs odors readily. It should not be kept in a place where there are onions, fish, vegetables or other odorous substances, nor in a damp room or cellar. Keep it in a cool, dry, airy room where it will not be exposed to a freezing temperature, nor to one above seventy degrees. Always sift before using.

A lovely sofa pillow may be made of gold tissue brocade, which is an exquisite material upon which to work designs. Cut a piece of brocade the size you wish your pillow, and fasten over it a piece of canvas of the same size and shape, care being taken to have upon the canvas a pretty design of flowers. This pattern is worked out with wools in the old canvas stitch. The threads of canvas are afterward drawn out, leaving the work on the brocade.

It Pays.

- Good farming pays.
- Intelligent practical horticulture pays.
- A well conducted dairy pays.
- Breeding good horses pays.
- Breeding and sticking to sheep pays.
- Improved cattle pay, scrubs do not.
- The poultry from every farm pays.
- Swine breeding is the mortgage lifter.
- Commercial fertilizers pay.
- It pays to save and use manure.
- Stock growing is the rejuvenator of the farm.
- The well read intelligent man pays.
- The unread man is a scrub.
- Scrubs of no kind pay.
- Good roads pay the best of all.

Statistics give evidence that heavy feeding in the dairy pays. While any good full ration will doubtless furnish ample nutriment for the cows, those low in organic matter or in digestible matter do not supply much above the needs of the system, and the milk and butter product is consequently low. According to German experiments it takes 8.85 pounds to keep a steer of 1000 pounds live weight for a day, without his losing or gaining flesh. The same figures may also apply approximately to a dry cow. The same authorities estimate that a cow in the full flow of milk will need 15.4 pounds of digestible matter daily in her food. Hence we may consider that 60 per cent of all the food a cow consumes is needed to maintain her body, and it is only by feeding abundantly above this mark that anything can contribute to produce a profit. If merely a pittance above the maintenance ration is fed, you can not expect to run the dairy successfully.

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 The roses we send are on their own roots, from 10 to 15 inches high, and will bloom freely this summer either in pots or planted in yard. They are hardy, ever bloomers. We send instructions with each order how to plant and care for them. Please examine the below list of 20 choice fragrant monthly roses, and use if you care duplicate them anywhere for an amount so small as \$1. They are nearly all new kinds. We guarantee them to reach you in good condition, and we also guarantee them to be the best dollar's worth of roses you have ever purchased. **THE RAINBOW COLLECTION OF 20 ROSES FOR ONE DOLLAR MUST BE ORDERED COMPLETE.**

The List—Bridesmaid, the best pink rose by far ever introduced. Princess of Wales, amber yellow, deepening to orange. Snowflake, pure white, always in bloom. Princess de Radzwill, lovely coral red. Pearl of the Gardens, deep golden yellow. Beauty of Stapleford, bright rosy crimson. Queen of Fragrance, in clusters of six to ten roses, white edged pink. Rheingold, beautiful shades of saffron and tawny. Sunset, golden amber, resembles an "afterglow." Dr. Grillo, copper yellow and fawn rose. Duchesse Marie Immaculate, an intermingling of bronze, orange, yellow, pink and crimson. Lady Castlereagh, soft rosy crimson and yellow. Papa Gontier, lovely dark red. Star of Gold, the queen of all yellow roses. Waban, a great rose in bloom all the time. Lady Stanley, great garden rose. Viscountess Wautier, one of the best roses grown. Cleopatra, soft shell pink, lovely. Sappho, fawn suffused with red. Letty Coles, very chaste and beautiful.

THE PROOF OF THE PUDDING IS IN THE EATING.
 Ballinger, Texas, Nov. 23.
 The GOOD & REESE Co., Springfield, O. Gentlemen: The 20 ever blooming roses you sent me for \$1 arrived yesterday in the most splendid condition, and allow me to say that I was absolutely surprised at the size of the stalks and the amount, length and thriftiness of the roots. I have wondered many times how you could afford to send out such roses for such a small price. Every home in the land should have their yard full of ever blooming roses at this price.
 Yours,
 (Judge) C. H. WILLINGHAM.
 We will also send our Iron Clad Collection of 12 Hardy Roses, all different colors, \$1. Try a set of 20 Chrysanthemums, all prize winners, \$1. 16 Geraniums, double and single, flowered and unflowered, \$1. 12 choice Begonias, different kinds, \$1. 40 packets choice Flower Seeds, all different kinds, \$1. Our handsome, illustrated, 132-page Catalogue, describing above Roses, Plants and all Seeds, mailed for 10c. stamps. Don't place your order before seeing our prices. **WE CAN SAVE YOU MONEY.** We have large two year old roses for immediate effect. Liberal Premiums to club members, or how to get your seeds and plants free. We are the **LARGEST ROSE CROWERS IN THE WORLD.** Our sales of Rose Plants alone last season exceeded a million and a half. When you order Roses, Plants and Seeds, you want the very best. Try us. Address
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POULTRY.

Feed for eggs, eggs are worth money. Feed any kind of feed that will make the hens lay. Give the fowls extra care during the molting season. Do not keep the hens too fat if fertile eggs are desired. Don't overcrowd the henhouse, keep it clean and well ventilated. There's plenty of money in hens; let's see who can get the most of it out of them this winter. Systematize the hen business so that you can give the hens the best care with the least expenditure of labor and money.

The cleanliness of the hen-house is one of the principal things to be remembered by the poulterer. Keep the hen-house clean and the hens will pay you for your trouble.

Clean out your hen house every day if you can afford the time and believe it necessary. If you are successful in the way you keep hens then that is a pretty good way for you.

In administering medicine by placing in the drinking water keep the birds from drink for several hours. They are more apt to take a good swallow before detecting the taste.

The Leghorn is a good market bird, judged by the large proportion of breast meat, but they lack in size, and the large combs are a hindrance, giving them the appearance of old fowls.

A Rhode Island poulterer says that if onion skins are placed in the nest boxes and then covered over with straw or hay, they will be death to lice, as the vermin cannot live where the skins are.

One of the reasons that failure is so often made in preserving eggs is, that in nearly all cases where the eggs are gathered from different sources, a few stale eggs get among those that are fresh, thus impairing all.

The western farmer may not get as much money for his eggs and poultry as the eastern farmer, but then, as he raises his own feed, he makes up the difference in cheaper production. Poultry pays as well west as east.

One dollar a year has for years been the average profit of the well-kept hen, but the improvement made in feeding the past few years, and the better knowledge now possessed by poulterers, is placing the average higher.

Either 100 hundred breeding ducks or 200 early hatched pullets, properly kept, and the eggs of the former hatched and raised for market, and the latter kept for eggs in fall and winter, would soon remove the mortgage from the farm.

Unless the eggs are for hatching purposes you don't want any male fooling around the hens. Then, as shown by recent experiments, it pays to change males every night, during the winter and spring, so as to give the bird alternate days of rest and service. Better limit the number of hens with a male.

When a breeder sells fowls that breed true to their breed in the purchaser's hands, they become first-class advertisers, and aid him in building up a trade for his stock. But when he sends out those that breed badly, they do him a very great damage. He will be fortunate if he does not hear imputations that he is a fraud and a good man not to deal with.

A very good authority says that red pepper and ginger are excellent for poultry for cold weather, but should not be fed regularly. Once or twice a week in their food will be sufficient. In procuring such articles be careful that they are not adulterated. Red pepper will often do injury if fed in large quantities. Ginger is one of the best—a teaspoonful in the soft food for ten hens.

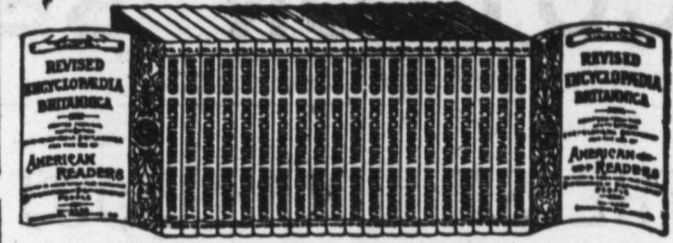
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