

Its Rather Dull

Is a common expression used by business men who fail to patronize the advertising columns of the JOURNAL.

The Texas Stock Journal

DEVOTED TO THE LIVE STOCK INTERESTS OF TEXAS AND THE SOUTHWEST.

A Breeder's Paradise

This is what the big Live Stock Show in Fort Worth next spring will be.

DALLAS FORT WORTH, TEXAS, AUGUST 26, 1902 SAN ANTONIO

THE FORT WORTH SHOW

LIST OF PREMIUMS OFFERED FOR THE GREAT ANNUAL EXHIBIT OF BLOODED STOCK.

Never before has such an attractive array of prizes for live stock been offered in the State as that which has been secured for the great live stock show in Fort Worth March 11th, 12th and 13th.

mium bulls in the senior and junior sweepstakes only. GRAND CHAMPION SWEEPSTAKES (COW), \$50. No. 23-(To be competed for by premium cows in the junior and senior sweepstakes classes only).

Third best 4 animals, get of 1 bull, \$15. No. 72-Best 2 animals product of 1 cow, \$35. Second best 2 animals product of 1 cow, \$20.

the state. He is running two big steam plows and is turning a furrow eighteen feet wide at every round. For power he uses the ordinary thrasher traction engine.

TREATMENT OF FEVER.

OKLAHOMA EXPERIMENT STATION BULLETIN TELLS HOW THE DISEASE MAY BE CHECKED. In a press bulletin, just received, the Oklahoma Agricultural Experiment station gives advice for the treatment of Texas fever.

FAIR AT QUANAH.

LIVELY COMPETITION IN AGRICULTURAL AND STOCK EXHIBITS. THE AWARDS. The enterprising little city of Quanah was the mecca for thousands of visitors last week, on the occasion of the seventh annual meeting of the West Texas Fair Association.



A GREAT PROFIT SHARING CONTEST.

\$25,000 In 1,000 Cash Prizes.

First Prize, \$10,000; Second Prize, \$3,000; Third Prize, \$1,000. Five Special Prizes of \$1,000 Each for Early Estimates.

Every subscriber to The Journal will have an opportunity to share in these magnificent prizes if he wishes to participate in the Great Educational Contest, which these prizes are given.

Valuable Information.

To aid in forming your estimates, we furnish the following data: Pennsylvania elect a governor only once in four years.

Certificate of Bank President.

I hereby certify that the Press Publishing Association has deposited \$25,000 in the Central Savings Bank, Detroit, Michigan, for the express purpose of paying the prizes to those making the nearest correct estimates of the Total Aggregate Vote for Governor in the States of New York, Pennsylvania and Michigan on the 4th day of November, 1902.

Subscription Blank.

Form for subscription, including fields for Name, Postoffice, State, and My Estimate for the total vote cast for Governor in the States of New York, Michigan and Pennsylvania.

Choice Cattle For Sale

200 Good Two Year Old Steers, 250 Highly Graded Yearling Steers, 100 Highly Graded Yearling Heifers, 20 Full Blood Shorthorn 2-year Old Heifers not registered, 20 Full Blood Shorthorn 2-year Old bulls not registered.

highly creditable exhibit of blooded animals progress assured. The management is progressive and energetic, which means a great deal at the outset.



**YOUNG MAN!** The recent opening of many telegraph schools... DALLAS TELEGRAPH COLLEGE, DALLAS TEXAS.

**Dallas Medical College**  
Medical Department of the Trinity University. Increased clinical facilities. Large faculty of selected teachers. Third term begins October 1, 1902.

**ST. JOSEPH'S ACADEMY**  
SHERMAN, TEXAS  
A Boarding and Day School for Young Ladies. The course of studies embraces all the branches of a solid and refined education.

**THE THOMAS SCHOOL, West End, San Antonio, Tex.**  
A SELECT SCHOOL FOR GIRLS.  
Good Buildings—Healthful Location—Competent Faculty. All Departments—Literary, Music, Art, Elocution, Business. Number of boarding pupils limited.

**BURNETTA COLLEGE**  
For Young Men and Young Ladies of every superior advantage at reasonable cost. Excellent boarding facilities. Courses—Classical, Scientific, English, Normal, Commercial, Music, Elocution, Art. Apparatus for Chemistry and Physics very complete and up-to-date.

**ST. BASIL'S COLLEGE, Waco, Tex.**  
A BOARDING SCHOOL FOR YOUNG MEN AND BOYS.  
This College is beautifully situated on the Heights just outside the city limits. The building is fully equipped with all modern improvements.

**Switzer Woman's College and Conservatory of Music...**  
Opens September 2, 1902. For catalogue address D. S. Switzer, Itasca, Hill County, Texas.

**West Texas Military Academy**  
A boarding and day school for the moral, intellectual, physical and military training of boys. Prepares boys carefully and thoroughly for college or West Point.

**Polytechnic College, Fort Worth, Tex.**  
A progressive college for both sexes. Strong faculty of fourteen experienced teachers. Thorough executive courses in all college departments.

**LIBERTY LADIES' COLLEGE.**  
Fifteen miles from Kansas City, Mo. Phenomenal success. Highest grade in Letters, Sciences, Arts. Faculty specially trained in leading colleges and universities of America and Europe.

**1845 BAYLOR UNIVERSITY 1902**  
THE FIFTY-EIGHTH ANNUAL SESSION opens Tuesday, Sept. 2, 1902. Old-time educational institution in the South—Worship by Harvard, Yassar, etc. Academy, College, Fine Arts and Bible Dialectic Christian influence.

**Eugene Wood, Reg., Dept. C., Waco, Tex.**  
Carr-Burdette College  
Conservatory of Music, Art and Elocution.

**Harshaw & Powell's College**  
(Literary and Commercial), Denton, Texas, prepares its pupils for college, university or life. Leads other institutions in its thorough, practical, modern business course and office training.

**Alamo City Business College**  
SEATING CAPACITY 400. Established 1885. Sixteen Years of Continued Success. Exceeds all other Southern colleges in its Absolute Thoroughness.

**Griffitt's College of Commerce**  
And School of Short-hand, Typewriting, Telegraphy and Spanish. Will send you a beautiful new catalogue and tell you how to get the best business education in the largest and finest business college in Texas.

**McKinney Business College**  
One of the best equipped schools in the South. Students entering almost every week in the year. No vacation. POSITIONS GUARANTEED. Scholarships unlimited.

**International Business College**  
And School of Short-hand and Typewriting.  
The course of study in this institution is more complete and comprehensive than any other school in the State.

**Westminster College, Tehuacana, Texas.**  
Opens Sept. 17, 1902.  
Theological and literary departments. Experienced teachers, new apparatus. Courses lead to bachelor's degree.

**WEATHERFORD COLLEGE.**  
Next session of 40 weeks opens Sept. 8, 1902 and closes June 10, 1903. A high grade university training school for both sexes.

**EDUCATIONAL**  
At a recent meeting of the board of directors of the Agricultural and Mechanical College of Texas, Prof. W. D. Gibbs of the New Hampshire Agricultural College, was elected to the position of dean of the agricultural department and director of the Texas experiment stations.

The board of regents for the colored Agricultural and Normal University at Langston, Ok., met Saturday at Guthrie and re-elected Iman E. Page president and to the chair of psychological and moral philosophy and those of the following faculty: English language and literature, Moses Johnson; mathematics, Wayne Manzilla; mechanical arts, William Jackson; natural science, A. E. Whitty; agriculture, Boyd Staley; instrumental music, Zella Page; domestic economy, Mary McCreary; vocal music, Russell Taylor; matron, Mary Williams. President Page is a graduate of the Tuskegee Institute.

**WANTED YOUNG MEN**  
To learn telegraph and station work for railway service. Taught thoroughly quickly and students placed in position. Don't experiment with 'hot air' schools, but come direct to headquarters. Oldest, largest and pre-eminent the best.

**SIMMONS COLLEGE AT ABILENE, TEXAS**  
An endowed school for both sexes; 1,700 feet above sea level, with a strong faculty, in extensive patronage from near and far. Courses arranged as follows: Liberal Arts, painting and elocution. Military drill and physical culture without extra charge.

**THE JESSAMINE INSTITUTE, Nicholasville, Ky.**  
Fall Term Begins Monday, Sept. 10.  
Mrs. J. B. Skinner, who so many years, with her husband, was at the head of Hamilton college in Kentucky, is an excellent faculty. A year's scholarship in music given to pupil showing most advancement during the scholastic year.

**Austin College HIGH GRADE SCHOOL FOR YOUNG MEN**  
Beautiful location. Faculty of 6 competent, experienced men, two instructors. Courses leading to A. B. and B. S. Two years' preparatory course. Excellent boarding facilities.

**CHRISTIAN COLLEGE** Fifty-Second Year.  
For the Higher Education of Women.  
A Splendid \$32,000 Auditorium in Process of Construction.  
Magnificent new Dormitory, accommodating 150 students. Furnishings and equipment unrivaled. Rooms are heated by steam; lighted by electricity; hot and cold baths; gymnasium; library of 5,000 volumes; physical and chemical laboratories. Prepared University work.

**WHAT SCHOOL? OUR SCHOOL AND COLLEGE INFORMATION BUREAU**  
Will furnish you, without charge, impartial and reliable information concerning educational institutions and will send you "free" catalogues and prospectuses of schools as will best serve your interests.

**AMERICAN EDUCATIONAL CO., 1415 DEARBORN ST., CHICAGO, ILL.**  
Stephens' College and Conservatory of Music for Young Ladies.  
4th Session opens Sept. 11. Beautiful for situation. In the heart of the great educational center of the South, with noble trees. All modern home comforts and conveniences.

**GLEN ROSE COLLEGIATE INSTITUTE.**  
First-class teachers, fine buildings and equipments, healthy location, fine artesian well on grounds, tuition \$1.00 to \$2.50 per month in advance.

**TEXAS CHRISTIAN UNIVERSITY, Waco, Texas**  
A high grade institution for both sexes. Seven distinct schools are organized. Add Xan College of Arts and Sciences, College of the Bible, College of Business, College of Music, School of Oratory, School of Art, Preparatory School, Commemorative Buildings. Four Classical, Four Scientific and Two Ministerial Courses are offered.

**TELEGRAPH OPERATORS.**  
Work is pleasant, pays good salaries and leads to the highest positions. Never was the demand for operators as great as at present. Go to school quickly and thoroughly. Not the oldest or largest, but the most profitable and only school in Texas teaching telegraphy alone in all its branches.

**SACRED HEART ACADEMY**  
GAINESVILLE, TEXAS.  
Boarding and Day School by the Benedictine Sisters. Course of Study thorough in every department. Music a specialty.

**Westminster College, Tehuacana, Texas.**  
Opens Sept. 17, 1902.  
Theological and literary departments. Experienced teachers, new apparatus. Courses lead to bachelor's degree.

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**ST. EDWARD'S COLLEGE, Austin, Texas.**  
Next session opens Sept. 2, 1902. A boarding school for young men and boys. The College is beautifully situated on the Heights, 2 miles south of Austin in a healthy and picturesque locality.

**A BENEFIT TO FARMERS.**  
The benefits that will undoubtedly result to farmers from the recent incorporation of the International Harvester Company which took over the business of the five leading harvester manufacturers have probably not been considered by a large portion of the farming community.

The economical necessity of a consolidation of the interests of manufacturers and those of their farmer customers must be apparent to anyone who understands the present situation. The increased and increasing cost of material, manufacturing and selling—the latter in consequence of extreme and bitter competition between manufacturers and their several selling agents—has made the business unprofitable.

The two alternatives left for the manufacturers were either the increasing of the prices of machines or the reduction of the cost of manufacture and sales. The latter could only be accomplished by concentrating the business in one company.

As can readily be seen, the forming of the new company was not a stock jobbing operation but a centering of mutual interests. There is no watered stock; the capitalization is conservative and represented by actual and tangible assets. There is no stock offered to the public, it having all been subscribed and paid for by the manufacturers and their associates.

The management of the International Harvester Company is in the hands of well known, experienced men. The officers are: President, Cyrus H. McCormick; chairman executive committee, Charles Deering; chairman finance committee, George W. Perkins; vice presidents, Harold F. McCormick, James Deering, Wm. H. Jones and John J. Glessner; secretary and treasurer, Richard F. Howe. The members of the board of directors are as follows: Cyrus Bentley, William Deering, Charles Deering, James Deering, Elbridge M. Fowler, E. H. Gary, John J. Glessner, Richard F. Howe, Abram M. Hyatt, William H. Jones, Cyrus H. McCormick, Harold F. McCormick, George W. Perkins, Norman B. Ream, Leslie N. Ward, Paul D. Cravath.

The International Harvester company owns five of the largest harvester plants in existence. The Champion, Deering, McCormick, Milwaukee and Plano—plants that have been producing nearly or quite 90 per cent of the harvesting machines of the world.

It also owns timber and coal lands, blast furnaces and a steel plant; it has a new factory in the process of construction in Canada.

It is believed that the cost of producing grain, grass and corn harvesting machines will be so reduced that the present low prices can be continued, and that consequently the results cannot be otherwise than beneficial to the farmer. To maintain the present price of these machines means to continue and increase the development of the agriculture of the world, for no one cause has contributed or can contribute more to this development than the cheapness of machines for harvesting grains.

**THE UNIVERSITY OF TEXAS.**  
Wm. L. Prather, LL. D., President.  
One hundred and twelve instructors and officers, more than 1100 students, not including 191 summer students. Women admitted to all departments. Tuition free. Total expenses \$160 to \$250. Students from approved colleges admitted without examination, and given credit for work completed.

**Academic Department.**—Session begins Sept. 20; entrance examinations Sept. 24 to 27; matriculation fee \$10; 180 courses of study; university system of instruction and discipline; library of 40,000 volumes. Young Men's Christian Association; Young Women's Christian Association; gymnasiums and gymnasium instructors for men and women; athletic field. Teachers' courses lead to permanent state teachers' certificates.

**Engineering Department.**—Session begins Sept. 20. Entrance examinations as above; matriculation fee \$10; no tuition; full courses leading to the degree of civil, electrical and mining engineer. Law Department.—Session begins Sept. 20; entrance examinations as above; matriculation fee, payable once, \$30. A two years' course leads to the degree of bachelor of laws and entitles to practice in all state courts. Law students may pursue academic courses without charge.

**Medical Department (located at Galveston).**—Four years' course; faculty of twenty-two instructors; school of pharmacy; school of nursing for women; matriculation fee, payable once, \$30. Complete equipment in all schools. Session begins Oct. 1; entrance examinations the preceding week. Address Dr. Allen J. Smith, Dean, Galveston.

For catalogue of any department, or for information, address John A. LeMay, Registrar, Austin, Tex.

**SEVEN GREAT SCHOOLS**  
Chillicothe Normal School, Chillicothe Commercial College, Chillicothe Short-hand College, Chillicothe Telegraph College, Chillicothe Pen-Art College, Chillicothe School of Oratory, Chillicothe Musical Conservatory.

Last year's enrollment 728. \$100 pays for 48 weeks board, tuition, room rent and use of text books. For free illustrated catalogue address ALLEN MOORE, Pres., Box 1, Chillicothe, Mo.

**POSITIONS.** May deposit money in bank in lieu of salary if secured, or pay out of salary after graduating. Enter any time.  
Draughton's Practical Business Colleges.

Nashville, Tenn. Little Rock, Ark. St. Louis, Mo. Montgomery, Ala. Galveston, Texas. Ft. Worth, (Catalogue Free) Sireyport, La. Schools of national reputation for thoroughness and reliability. Endorsed by business men. Home Study, Bookkeeping, etc., taught by mail. For 1902 catalogue, or 100 p. on Request, 25¢. Dep. T. P. Draughton's Colleges, other places.

**COMMERCIAL COLLEGE**  
THE ACKNOWLEDGED LEADER in practical results. Largest percentage of indispensible proof of these claims. Bring art new catalogue free. G. A. HARMON, President, 438-440 Commerce St., Dallas, Texas.

**Alamo City Commercial College**  
The foremost school. Shoulder high above others. The largest, best equipped and most progressive. Wide-awake faculty of expert and experienced teachers. High standing and pre-eminence over other colleges is recognized by its large attendance and the great demand for its graduates. For catalogue and full information, call or address. SHAFER & DOWNEY, Box 1129, San Antonio, Tex.

**Paris Commercial College**  
Art catalogue mailed for the asking. You can take a Business or Short-hand and Typewriting Course with us, money or no money. The only strictly high-grade school in Texas, where higher accounting as taught through the channel of actual experience. Our graduates are sought by the largest business concerns in the South. The only school in the South that teaches Oil Mill Accounting. J. G. WILSON, President, Paris, Texas.

**Peacock's School for Boys**  
WESLEY PEACOCK, Ph. D. (University of Georgia), Principal. WEST END, SAN ANTONIO, TEXAS. A Military School. Educates your boys in this dry and elevated atmosphere. Three miles from the city by the electric. All modern conveniences. We help the backward boys. Study hall at night. A teacher with the boys and night. Brick building, hot air, gas, artesian water. Men teachers. Graduates. Two boys to a room, each on a single bed. A competent matron. Discipline. Enrollment last year 172 from 100 towns. We place young men in room, each on a stand on it. You must help a boy to be good. Colleges take only graduates without examination. 25 to the teacher. We aim at the individual. Another new dormitory, dining hall and kitchen completed. Boys visit the city in company with a teacher or officer. Our commandant is a graduate of a military school. Write now for Illustrated Catalogue. School opens September 9, 1902.

**CENTRAL COLLEGE, Fayette, Mo.**  
FOUNDED 1855  
Leading institution of the West, under auspices of the Methodist Episcopal Church, South. Splendid facilities for securing Classical, Literary and Scientific Education under the best of Christian influences. Libraries, Museum, Dormitories, Campus and Athletic Grounds. Total expenses \$150 to \$200. Fall term begins September 8, 1902. T. BERRY SMITH, Acting President.

**WALL SCHOOL HONEY GROVE, TEXAS**  
Thoroughly prepares its pupils for colleges and universities, many of which accept its graduates without examination. Christian influence, active Y. M. C. A., literary societies, excellent library, athletic field, tennis courts, firm discipline and safe environment for the pupil in every respect. W. G. Battle, Ph. D., Professor of Greek, University of Texas, says: "I regard the School as one of the very best in Texas." The past year has been the most successful in its history. For further particulars address S. V. WALL, Principal.

**San Antonio Female College,**  
West End, San Antonio, Texas.  
Besides a faculty of superior merit, this college has the best health conditions in the South. Two hundred dollars pays for board, laundering and literary tuition a school year.

**Southwestern University Ladies' Annex and Fitting School.**  
448 Graduates, among whom are Congressmen, Supreme Court Justices and many others occupying positions of trust and honor throughout the state. 438 students. Course of Instruction—Mathematics, English, Latin, Greek, Hebrew, German, French, Spanish, Philosophy, Ethics, Political Economy, History, Bible, Physics, Chemistry, Biology, Geology. The Ladies' Annex, a home for young women, is a four-story stone building, with all modern conveniences. Music under the direction of instructors who have received training in Berlin and Italy. Art and Elocution teachers from the best studios of the East. For catalogue address R. S. HYER, LL. D., Georgetown, Tex.

**I AM THE MAN TO GIVE YOU THE BEST BUSINESS EDUCATION MONEY WILL PURCHASE**  
BOOK-KEEPING, BANKING, STENOGRAPHY, TYPEWRITING, PENMANSHIP, PREPARATORY AND ACADEMIC DEPARTMENTS. But Without Best Results. Send for FREE CATALOGUE. [Toby's Business College, Waco, Texas] [Toby's Institute of Accounts, New York City]

**DALLAS Commercial College**  
THE ACKNOWLEDGED LEADER in practical results. Largest percentage of indispensible proof of these claims. Bring art new catalogue free. G. A. HARMON, President, 438-440 Commerce St., Dallas, Texas.

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The foremost school. Shoulder high above others. The largest, best equipped and most progressive. Wide-awake faculty of expert and experienced teachers. High standing and pre-eminence over other colleges is recognized by its large attendance and the great demand for its graduates. For catalogue and full information, call or address. SHAFER & DOWNEY, Box 1129, San Antonio, Tex.

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### Breeders Who Seek Your Trade

**HEREFORDS.**  
**HEREFORD HOME HERD,** Channing, Hartley county, Texas. Wm. Powell, proprietor. Here established in 1888. My herd consists of 60 head of the best known individuals from all the well known families of the breed. I have on hand and for sale at all times cattle of both sexes. Pasture close to town. I have some 100 bulls for sale and 100 head of choice yearling heifers, all Texas raised. Bulls by carcasses a specialty.

**JOHN R. LEWIS,** Sweetwater, Texas. Hereford cattle for sale. Choice young registered bulls and high grade Herefords on hand at all times. Ranch stock of quarantine line and stock can go safely to any part of the state.

**W. J. STATION, BEEVILLE, TEXAS.** I have for sale at all times registered pure bred and high grade Herefords, Durhams, Devons and Red Polls of both sexes. All raised below the quarantine line. Call or write for prices.

**A. B. JONES, Big Springs, Texas.** Breeder of registered Herefords. Young bulls and heifers of Corcoran blood for sale cheap.

**SUNNY SIDE HEREFORDS.** Lord Wilton, Grove red, Garfield and Anky strains. Both sexes for sale. M. E. Turkeys and Plymouth chickens. W. S. KARD, manager, Henrietta, Texas.

**HEREFORD PARK STOCK FARM.** Pure bred Hereford cattle, largest herd of quarantine line. None but high class bulls in service. Lord Wilton, Grove red and Anky strains. Sale stock, both sexes, kept on Sarginan ranch, near Fort Worth. Pure bred Hereford or write your wants. B. C. RHOME, Fort Worth, Tex. Phone 388.

**J. L. CHADWICK, CRESSON, TEXAS.** Near Fort Worth, breeder of registered and very high grade Hereford cattle. Bulls for sale.

**A. S. WEDDINGTON, Childress, Texas.** Breeder of pure bred registered Hereford cattle. A choice lot of young bulls and heifers for sale at reasonable prices, breeding considered. All Panhandle raised. Only first class bulls, both as to breeding and individuality kept in service. Inspection solicited.

**V. WEISS,** Breeder of pure-bred Hereford cattle. (Ranch in Gold county, Texas). Both sexes for sale. Address: Drawer 319, Beaumont, Texas.

**REGISTERED HEREFORD BULLS.** One, two and three-year-olds, immuned, natives, good. GEO. W. P. COATES, Abilene, Tex.

**SHORTHORNS.**  
**V. O. HILDRETH,** Breeder of Shorthorn cattle. A number of registered bulls and young cows for sale, all reds, large and fine. Texas raised. Cattle and residence at Iona Station, on T. & P. railroad, Postoffice—Aledo, Texas.

**JULE GUNTER, Gainesville, Texas.** I have 300 strictly pure bred registered bulls for sale. Write me your wants.

**THE J. W. BURGESS COMPANY.** Breeders of thoroughbred Shorthorn and double standard Polled Durham cattle. Young stock of both classes for sale. W. W. and J. I. BURGESS, managers, Fort Worth, Texas.

**MISCELLANEOUS.**  
**G. B. BOTHWELL & SON.** THREE hundred extra good Rambouillet Rams for sale at a bargain. We have been growing rams for the western trade for over thirty years and have the best. E. B. BOTHWELL & SON, Rockledge, Mo.

### MAVERICKS.

E. L. Perrill recently sold his ranch south of Higgins, Tex., to Moses Hayes for \$17,500.

Edward Henderson has sold his ranch near Sterling, Tex., to M. Dennis, of Hunt county, for \$3000.

Jasper Miller has sold his Salado ranch, near Alice, Tex., and an interest in his cattle to Reuben Holbein.

good this fall, if the corn crop turns out well. Failure of Northern corn, he regards, as a very remote possibility.

G. F. LeCleve, formerly of Chillicothe, bought four sections six miles southwest of Dalhart from Wagner and Killen for \$2500 cash.

Colonel Ike T. Pryor has returned from Kansas City, and is now at his 7-D ranch in South Texas. He says that the demand for feeders will be

R. S. Jackson and J. M. Hall, of Austin, bought from G. J. Steck an improved ranch of 2000 acres, which the purchasers intend to stock with fine cattle.

W. J. Parsons, lately from Parker county, has purchased a section of land across the river to the north of Clarendon for \$3.50 per acre.

Sam Slavin of Gray county, bought a Clarendon forty steer yearlings from W. H. Norris and twenty from Will Muller at an average of \$15 per head.

Theo. M. Pyle of Clarendon bought from J. A. Barnett the latter's five section improved ranch in Childress county, near Newlin, including 500 head of cattle, some mules and horses and all appurtenances for \$23,000.

Joe Gardner, one of the most noted ropers in West Texas, has announced his intention of going after the first prize of \$1,000 in the roping contest at the San Antonio fair in October. He will have plenty of company, as there are not many ropers nowadays to whom 1,000 pesos look small.

A crack bunch of S. M. S. yearlings, recently purchased by A. J. Nesbit, was shipped from Estilline, Tex., to South Dakota a few days since. About 1100 head were included in the transaction and the price paid was \$20 around, the biggest recorded this season for cattle of this class.

G. Ramsey, of Bantera county, has a 1000 acre ranch and cattle to the British in the Medina county. The ranch, consisting of about 3000 acres, was traded in at \$20 per acre, and 125 head of stock cattle were reckoned at \$10 around, calves counted. This made the purchase price \$8530.

An important deal in Runnels county

several shows of the Wild West variety.

The Gila Land and Livestock company has filed papers in Arizona, the incorporators being Thomas R. Pearson, George W. M. Carvil, Fulton J. Davidson, John W. Carter of Grant county, and John Clay of Graham, Arizona. The headquarters are at Silver City, Grant county, and the capital is \$200,000, divided into 200,000 shares. The directors are Thomas R. Pearson, George W. M. Carvil, of Silver City; Fulton J. Davidson, Pinos Altos; John W. Carter, of Silver City, and John Clay, of Duncan.

Wheat & Reynolds bought up a car of hogs here the past week and shipped them to Fort Worth, says the Hall County Herald. They paid from \$5.50 to over \$6.00 per hundred for the carcass. Several Hall county farmers brought in good bunches of nice ones that brought them from \$18 to \$30 each. Frank Goffnett sold them \$18 head and said they brought him more than he ever received for hogs in his life. When a farmer can get 6 cents per pound for fat hogs on foot it beats any old thing that can be raised on the farm. The carload of hogs shipped Tuesday morning represented over \$1500 in cash paid to our farmers.

A great many stockmen west of the Nueces river are shipping their stock east to pasture, and some are experiencing trouble in finding grass. Hundreds have died and the living ones are in poor condition, caused by the long drought which has left the country a barren waste. Several residents of Beeville own pastures in Live Oak, Duval and Starr counties, and they report the country as having assumed such a serious aspect that unless rain falls soon or the stock is moved a heavy loss will be sustained. Bee county generally has plenty of range grass yet.

Major George W. Littlefield, the millionaire banker and stockman of Austin, has leased at 2c per annum per acre for twenty-one years 1,000,000 acres of grass lands in Canada. As soon as the building of a three-wire fence is completed at a cost of \$50 per mile, the removal of the big herds of cattle from Mr. Littlefield's ranch in New Mexico to the Canada lands will commence. The stock herds belonging to Mr. Littlefield number about 50,000 cattle and this year more than 15,000 calves were branded. The New Mexico and Texas ranches owned by Mr. Littlefield aggregate 750,000 acres.

G. R. Casey, a breeder of thoroughbred Durham cattle, of Clinton, Mo., bought the Thompson Bros. Mud creek pasture, four miles east of Ballinger, containing about 14,000 acres, at \$5 per acre, and has shipped 500 3-year-old steers from the Territory and put them on full feed for the market. It is understood that this pasture was bought for the specific purpose of holding feeders, and that the steers now held in the Willis Johnson pasture on Crow's Nest, will be prepared for market there during the winter, the place being especially desirable for this purpose, having good grass, fine protection and plenty of water.

James H. Storey, a well-known cattleman of San Marcos, died at his home last Wednesday morning. For several years Mr. Storey has been superintendent of Harry Landis's herd of thoroughbreds at New Braunfels. It is claimed by his many friends that he was the best posted man on thoroughbred cattle in Texas. He seemed to be specially fitted for work in this line, and was thoroughly conversant with all the methods necessary for immunizing cattle against Texas fever. A widow and three children survive.

Dr. J. W. Parker, inspector for the bureau of animal industry at San Antonio, returned Saturday morning from his two weeks' vacation and is ready to resume business again. He spent his vacation very pleasantly with his family in Missouri, and also spent a few days in Kansas City with Col. Albert Dean. The differences between the Kansas Live Stock Sanitary board and the cattlemen below the line, he says, have been amicably arranged and that in the future no Southern cattle will be driven or grazed closer than a quarter of a mile of the Kansas line.

A dispatch from Beeville, Tex., says that the drought throughout that part of the state is rapidly approaching the serious stage, and unless rain falls soon, suffering is going to result. W. J. Miller, a well known stockman of that city, who has extensive cattle interests in the lower Rio Grande country, says that during a fifty years' residence in that part of the state he has never known the country between that and the Rio Grande river to be in a worse condition from lack of rain. Many cattle are being shipped out in order to get pasture in more favored sections. Of course, if it should rain plenty, between now and the middle of September, there are chances for good hay crops and plenty of grass, but the rain will have to come in abundance.

About forty sections of school land came on the market in Glasscock county last Friday, and about one hundred applications of purchasers were filed upon it, says the Howard County Enterprise. The purchasers lined up in front of the court house door about fifteen hours before the time for the lease to expire, and stood there until the clerk opened his office and began to receive the applications. The men are said to have taken turns holding places in the line while others went to get something to eat. There seems to have been quite a lot of crowding, and one man got so warm that he fainted and

### CATTLE SALES.

W. P. Cushing acted as special deputy sheriff that day and did valuable service in helping to take care of the disabled. Several of those filing on the land are citizens of Glasscock county.

**SALES AT ST. LOUIS.**  
 The quarantine run at St. Louis last week began moderate and closed light. Representative sales:  
 F. D. Woods, Leilaeta, I. T., 113 cows, 208 pounds, at \$2.85; T. E. Jonec, Oaktah, I. T., 210 steers, 283 pounds, at \$2.75; J. W. Ward, Davidson, Kans., 52 steers, 1021 pounds, at \$4.15; W. H. Kuykendall, Co., Elgin, Kans., 171 steers, 810 pounds, at \$2.40; 194 steers, 927 pounds, at \$4.00; E. R. Rachtel, Berge, I. T., 90 calves, 24 pounds, at \$9.00; Hawkins & G., Berge, I. T., 113 steers, 1025 pounds, at \$3.85; Johnstons & Watson, Ramona, I. T., 240 steers, 296 pounds, at \$4.00; N. F. Idets, Stuttgart, Ark., 15 cows, 608 pounds, at \$2.70; 10 steers, 722 pounds, at \$3.15; J. F. Greene, Gregory, Tex., 114 calves, 916 pounds, at \$2.80; 40 calves at \$10.50; J. T. Waggoner, Wichita Falls, Tex., 100 steers, 247 pounds, at \$2.50; A. Veale, Ochelata, I. T., 353 cows and heifers, 694 pounds, at \$2.80; 100 calves, 151 pounds, at \$5.75; Gunter & Jones, Oaktah, I. T., 268 steers, 862 pounds, at \$2.40; Lee B. Smith & Co., Llano, Tex., 54 cows and heifers, 631 pounds, at \$2.75; 213 calves, 182 pounds, at \$5.25; Shannon & Brown, Henrietta, I. T., 143 cows, 685 pounds, at \$2.55; P. W. Reynolds, Baird, Tex., 28 cows, 778 pounds, at \$2.85; 27 mixed, 222 pounds, at \$2.75; 28 cows, 820 pounds, at \$2.85; 30 cows, 693 pounds, at \$2.65; J. A. Wilson, Tulsa, I. T., 185 steers, 1029 pounds, at \$4.20; Percy Webb, Bellevue, Tex., 59 cows, 800 pounds, at \$2.70; 72 calves, at \$10.50; R. Y. Cox & Co., Summit, I. T., 167 steers, 943 pounds, at \$4.00; Easton & Knox, Tulsa, I. T., 86 cows, at 788 pounds, at \$2.80; Miller & Hart, Summit, I. T., 113 steers, 1020 pounds, at \$4.10; J. A. Scott, Summit, I. T., 141 steers, 990 pounds, at \$4.10; H. B. Spaulding, Muscogee, I. T., 180 steers, 1047 pounds, at \$3.90; Val Varda Land & Cattle Co., Davidson, Kans., 290 cows, 784 pounds, at \$2.80; J. W. Gibson, Summit, I. T., 187 steers, 924 pounds, at \$3.75; 24 steers, 865 pounds, at \$2.75; Baldrige Bros., Wagoner, I. T., 139 steers, 924 pounds, at \$3.90; J. O. Halk, Cherrylaw, Ark., 18 steers, 822 pounds, at \$3.40; Carver & Witherspoon, Henrietta, Tex., 67 steers, 883 pounds, at \$3.50; Club Land & Cattle Co., Holiday, Tex., 20 cows, 726 pounds, at \$2.85; 144 calves, at \$19.25; Thomas Hobin, Norona, Tex., 20 steers, 985 pounds, at \$3.80; 19 cows, 793 pounds, at \$2.70.

**SALES AT KANSAS CITY.**  
 Sales in the quarantine division at Kansas City stock yards last week included the following representative transactions:  
 A. P. Rachall, Oaktah, I. T., 234 cows, 794 pounds, average \$2.39; W. R. Moore, Mill Creek, I. T., 226 calves, 186 pounds, at \$5.10; Adams & Shaver, Elgin, Kans., 136 head, 988 pounds, at \$4.10; J. W. Smith, Weatherford, O. T., 104 pounds, 787 pounds, at \$2.55; H. M. Stonebraker & Co., Elgin, Kans., 199 head, 872 pounds, at \$3.90; Farley & Farley, Marlow, I. T., 529 head, 934 pounds, at \$2.95; Jim Wycoff, Fort Cobb, O. T., 197 head, 1027 pounds, at \$3.70; John Collins, Ochelata, I. T., 226 head, 982 pounds, at \$3.50; G. W. Franklin, Vinita, I. T., 100 head, 936 pounds, at \$3.50; Brett & Doll, Bliss, O. T., 132 head, 1016 pounds, at \$2.75; Moseley & D., Elgin, Kans., 79 head, 522 pounds, at \$2.75; Fleming & Davidson, Summit, I. T., 84 calves, 141 pounds, at \$5.50; Melton & Spilney, Vernon, Tex., 94 head, 718 pounds, at \$2.50; Conner & Witherspoon, Lawton, O. T., 58 head, 703 pounds, at \$2.30; T. E. Harrington & Son, Elk City, O. T., 80 head, 853 pounds, at \$2.90; N. Dunn, Ochelata, I. T., 129 head, 806 pounds, at \$2.75; 172 calves, 132 pounds, at \$5.75; A. O. Butler, Holdenville, I. T., 82 head, 174 pounds, at \$5.25; S. J. Garvin, Paula Valley, I. T., 59 head, 787 pounds, at \$3.10; Naylor & Jones, Muscogee, I. T., 154 head, 212 pounds, at \$3.35; S. Mayes, Davidson, Kans., 86 calves, 162 pounds,

was carried away. W. P. Cushing acted as special deputy sheriff that day and did valuable service in helping to take care of the disabled. Several of those filing on the land are citizens of Glasscock county.

### FARM NEWS.

The gold medal for having the largest attendance at the Farmers' Congress this year was awarded to Ellis county. The prize is now in possession of Mr. W. J. Bule of Waxahachie.

A gang of expert budbers have been working in Prof. F. W. Malley's nurseries at Garrison, Lufkin and Hulen the past ten days and are still at work. They have been putting in about fifteen to twenty thousand buds per day to supply contracts for fruit trees in Nacogoches and vicinity.

Truck growers in the vicinity of Weatherford, Tex., have formed an association to co-operate in marketing their product. Mr. B. Melton, agricultural agent of the Texas and Pacific railway, visited several farms and orchards thereabout last week and gave some valuable advice relative to the successful production of fruits and vegetables.

The Fizzle Hill Orchard company has been organized at Nacogoches with a capital of \$30,000. W. Y. Garrison has been elected president, R. H. Lee vice president, and Sam H. Dixon, secretary and treasurer. The company intends to plant five hundred trees at Fizzle in the near future. It is 800 feet above sea level and particularly well adapted to fruit culture.

The Texas Central Railroad company is to inaugurate a new enterprise in the shape of a peach orchard along the right-of-way of the entire line. It will be one continuous orchard extending from Waco to Stamford, in Jones county, making over 300 miles of improved peach trees, the fruit of which will be furnished the passengers of the road free of charge.

The truck area under irrigation in the environs of San Antonio was in-

It is calculated that 100,000 peach trees, principally Albertain, will be set out in the vicinity of Denison, Tex., next winter. A great deal of land has been purchased for fruit culture. This Albertain peach has proved very profitable this year. A great many apple trees will also be planted. It has been demonstrated to the intelligent farmer that there is more profit in fruit than in corn and cotton. Diversification of crops will prevail there largely in the future.

The peach yield in the Concho country will be short this year, averaging from one-third to one-fourth of a crop. In view of the outlook, high prices are predicted.

Dr. T. L. Ray, osteopath, Fort Worth, Tex. Send for literature.

I. AND G. N. EXCURSION RATES AND ARRANGEMENTS.  
 Marlin, Tex.—The Great Heart Resort. Low excursion rates. Tickets on sale every day in the year. Limit 60 days from date of sale.  
 Summer Excursion Rates.—Summer Tourist Excursion Tickets will be on sale to various points North and East June 1 to September 30. Limit October 31st.  
 D. J. PRICE, General Passenger and Ticket Agent, Palestine, Tex.

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 Branches: New York, Kansas City, Baltimore, New Orleans, Chicago, Walkerville, Ont.; Montreal, Que.; London, Eng.

**BUCHANAN'S**  
**Cresylic Ointment,**  
 Standard for Thirty Years. Sure Death to Scabs Worms and will cure Foot Rot.  
 It beats all other remedies. It won First Premium at Texas State Fair, Held in Dallas, 1895.  
 It will quickly heal wounds and sores on cattle, horses and other animals. Put up in 4 oz. bottles, 1 lb., 1 lb. 2 and 5 lb. cans. Ask for Buchanan's Cresylic Ointment. Take no other. Sold by all druggists and grocers.  
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### TONIC STOCK SALT, SUREST, SAFEST AND BEST.

**TONIC STOCK SALT.**  
 TRADE MARK REGISTERED.

CONTAINS NO INTUOUS CHEMICALS.  
 PURIFIES THE BLOOD, REGULATES THE MOVEMENTS AND DIGESTIVE ORGANS.  
 KILLS WORMS AND GRUBS, KEEPS CATTLE FREE FROM TICKS.  
 A SIMPLE VEGETABLE AND SALINE COMPOUND.  
 IT PRODUCES BONE MUSCLE AND FLESH, AND INSURES PERFECT DIGESTION.

PACKED IN 5, 10, 25, 50, 100 AND 500 LB. BAGS.  
 IT HAS MERIT AND DOES THE BUSINESS.  
 INDISPENSABLE TO CALVES AND GROWING CATTLE.  
 FOR RANGE ANIMALS AND FEEDERS IT HAS NO EQUAL.  
 MAKES A PERFECT HEALTHY ANIMAL.  
 YOUR DEALER HANDLES IT. ASK FOR IT.

FOR HORSES, CATTLE AND SHEEP.  
 MANUFACTURED BY THE INLAND MANUFACTURING COMPANY, SAN ANTONIO, TEXAS.

**A FIRST CLASS MEAL FOR 50c**  
**DINING CAR STATIONS**  
**FOR KATY FLYER PASSENGERS**  
 TO ST. LOUIS, CHICAGO, KANSAS CITY, GALVESTON, AUSTIN, SAN ANTONIO, DALLAS AND FT. WORTH.

The rapidly increasing business of the David Hardie Seed Company of Dallas has necessitated larger and more commodious quarters. Recently the firm moved to 368 Elm street, where two floors are occupied. This building extends through to Pacific avenue, facing the railroad, and besides furnishing adequate space for warehouse and storage purposes, affords excellent shipping facilities. "We were cramped for room at our old stand," said a member of the firm to a Journal representative the other day. "A switch track, which is now available, gives us a direct outlet. We have received three carloads of seeds during the past few weeks, the bulk of them being turfs, turnips, rye and barley." The company anticipates a very heavy fall trade and is prepared to handle it promptly.

**Tutt's Pills**  
 FOR TORPID LIVER.  
 A torpid liver deranges the whole system, and produces  
**SICK HEADACHE, Dyspepsia, Costiveness, Rheumatism, Sallow Skin and Piles.**  
 There is no better remedy for these common diseases than DR. TUTT'S LIVER PILLS, as a trial will prove. Take No Substitute.



# THE JOURNAL.

PUBLISHED WEEKLY BY  
STOCK AND FARM JOURNAL CO.  
Under the Editorial and Business  
Management of  
**SELDEN R. WILLIAMS.**

DALLAS.....Gaston Bldg.  
FORT WORTH.....Scott-Harrod Bldg.  
KANSAS CITY.....New Ridge Building  
Subscription.....\$1.00 PER YEAR.

Entered at the postoffice at Dallas,  
Tex., as second class mail matter.

## TO CORRESPONDENTS.

All correspondence and other matter for the Journal should reach us not later than Monday morning to secure prompt publication. Matter received later than this will necessarily be carried over to the issue of the succeeding week.

Communications on topics of interest to readers will be gladly received and published in these columns. Suggestions regarding the care of cattle, sheep and hogs, or fruit and vegetable culture are always welcome.

## TO SUBSCRIBERS.

Subscribers desiring the address of their paper changed will please state in their communications both the old and new address.

Receipts for money sent to the office on subscription of the paper will be returned in case of a renewal the change of the date on the label is proof of its receipt. Should your date not be changed within two weeks call our attention to it on a postal and we will give it our attention.

It is now given out that the prevailing high prices of food will be cheapened because of the large crops. This is good news for the consumer, but the producer may regard it in another light.

Conservative estimates place the value of the Texas cotton crop at \$150,000,000 this year. It would seem that any combination of capital seeking to "corner" the output enough to find it rather difficult. Yet the producers should avoid dumping their entire stock on the market all at once and thus lending color to the rumors of over-production.

Fruit raisers who were fortunate enough to secure a good crop of Elberta peaches are the envy of their neighbors. An orchard occupying a single acre has not infrequently produced \$200 to \$300. Is it any wonder that enthusiasm for horticulture has been stimulated to a remarkable degree?

The Northwestern railway merger system is now posing as a friend of the stockman and farmer. President "Jim" Hill has interviewed himself and says that shippers along the lines controlled by the combine will be saved over \$2,000,000 this fall by reduction of freight rates. Perhaps the merger is a sheep in wolf's clothing, after all. At any rate, a decline in the cost of shipping will be hailed with delight.

That misfortunes never come singly is shown to be true by a remarkable run of ill luck which has overtaken Kolla Crawford, a stockman and farmer near Beaver Creek, Kas. Several members of his family succumbed to sickness and the surviving children are dangerously ill. Storms have about destroyed his crops and last winter a plague killed off a hundred and fifty of his hogs.

The farmer with his \$1000 a year income, feeling the pulsation of health and enjoying the open, pure atmosphere, has little cause to envy Charles M. Schwab, who receives \$100,000 a year, and who has had such a soft snap that his mind is thought to be affected. It isn't always the man who sits in his office fanned by electric fans and irrigated by Manhattan cocktails that gets the most enjoyment out of life.

There is to be a convention attended by delegates from all over the state who are interested in improved highway construction and a practical demonstration of road building will be given on the grounds. It is expected that the effect of the conference will be far-reaching. Some such a meeting ought to be held in the southwest at an early date.

Missouri's State fair, the second held in this commonwealth, opened at Sedalia last Monday and closed Saturday night. It was one of the most successful and profitable ever held west of the Mississippi river. Rain interfered some with the attendance, but as it was, the crowds were immense every day. The stock exhibit, especially sheep and Shorthorn cattle was one of the finest ever seen in the west. In all departments the exhibits were uniformly good, when compared with the showing made a year ago.

The growing importance of Fort Worth as a live stock center should, in itself, guarantee the success of the big show to be held there next March. Each successive exhibit, held up to this time, has eclipsed its predecessor, and the next will in all probability exceed all others in size and importance. With the immense plants of Armour and Swift in operation, a ready market near at hand for the cattle and swine breeders of the great Southwest will be established, hence stockmen should vie with one another in their efforts to make the exhibit a notable one. Certainly the inducements offered in the way of prizes are valuable enough to act as an incentive.

There is almost an epidemic of glanders among the horses in Kansas City, fifteen or twenty cases having been reported to the county court since the first of the present month. In each case Dr. Moore, deputy state veterinarian, has ordered the infected horses

shot. Under the state law, just as soon as a case of glanders is reported, the county court appoints appraisers and the horse is valued, then shot and a warrant is issued by the state auditor for his value.

It would seem that a progressive commonwealth like Kansas could not be far behind her neighbors in anything, yet she apparently does not realize the necessity for a state fair. Missouri has just shown what can be done in this direction and Texas is to have a big exposition in the fall. Surely "the world's grainary" ought to be brought prominently before the public once a year. Progressive farmers and stockmen appreciate the advantages which accrue from wholesome competition for prizes at these exhibits.

Sentiment in favor of a rudimentary course of agriculture in the country schools is steadily growing and it is not unlikely that within the next few years a comprehensive system of instruction may be devised; but in no event should this important branch be entrusted to teachers who possess only a "hook-worm" knowledge of tilling the soil. If farming is to be taught, only instructors who have profited by experience ought to be employed. Normal schools, as at present constituted, are not equipped for turning out teachers proficient in this line. If, however, a short course in methods of soil cultivation were added to the regular curriculum, it might be possible to inaugurate an elementary training along the lines suggested. Sentiment in favor of some such a plan was quite pronounced at the recent Texas Farmers' Congress and similar assemblies in other western states have favored the project.

Of course the work of "finishing" is left to the agricultural colleges and the farmers' institute; but, if properly applied, such studies would instill in the young a love for farm life that should tend to offset the growing discontent among country children of the present generation.

## RANGE FENCE PHILOPHOY.

While it is consonant with the eternal fitness of things that no citizen should enjoy privileges from the government which others do not possess, the federal authorities should not be too harsh in dealing with the cattlemen who, under a misinterpretation of their rights, have enclosed a portion of the public domain. The order for the removal of range fences has had a far-reaching effect and indicates that there is scarcely enough land to go around; also, that the pastures themselves are overstocked. While plenty of range was available for all, no complaints were heard, but when good grazing land began to get scarce, it was but natural that those who had been illegally ousted should register a complaint. It became obvious about that time that the fences could not remain much longer, though it is an undeniable fact that Secretary Hitchcock's ruling has caused great hardship in some quarters and will have a depressing effect upon the cattle business when conducted on a large scale. Ten years has witnessed a steady deterioration of the range and the strict application of the law will embarrass the industry to a greater extent than has heretofore been apparent.

It is unfortunate for the cowmen that more time was not given them in which to adjust their affairs before the new ruling went into effect. If some system of leasing could have been devised the problem would have been solved. Much of the land involved is absolutely unfit for any purpose except grazing and a roving level-headed man in search of a home stead would file on it. For territory of this character some special provision could yet be made. Only by such an amendment to the present law can the man whose fortune is involved in a big herd of cattle get relief. Under present restrictions there is no hope for him, and it must be confessed that the future does not look bright.

## PERISHABLE FRUIT SHIPPING.

Valuable information for the fruit grower has been secured through the efforts of the department of agriculture, which conducted an investigation for the purpose of ascertaining how perishable fruits may be shipped most advantageously. Refrigeration is regarded as an essential when the products of the garden are sent long distances. A representative of the government recently visited one of the largest fruit farms in the world at Fort Valley, Ga., and closely observed the manner in which the large crop of peaches is prepared for the northern markets. The splendid condition in which these consignments have always reached their destination has excited comment among commission men and it is believed that an application of similar methods by shippers all over the country will result in much benefit to the fruit industry. After closely noting how the peaches were picked and packed, the government representative followed the shipments to New York and ascertained how they were handled after arrival there. The result of his observations will be published in a bulletin shortly to be issued by the department.

Fadure of fruit to reach the market in salable condition is said to be more often due to neglect on the part of the shipper than at the cold storage warehouses in the large cities. It has also been observed that matured fruit, not over ripe, is better adapted to shipment in cold storage than that which is still green when picked. This should have the effect of excluding from the markets much of the poor stuff now sent, as refrigerator cars can be profitably employed in transit. Haste to catch the early markets and consequent high prices is usually the motive which impels the grower to ship before his product is fully developed. This reason will probably always hold good early in the season, but it has been demonstrated that ripe fruit can be sent out to better advantage after the competitive rush is over.

Now that the game birds have become so scarce, the use of song birds as food is a new danger that threatens them.

I now come to the question: "What must we do to save our crops from these insects' ravages?" In other words, "What must be done to save the birds?" This question may not be considered a part of my subjects, but cannot well be separated from it. In my humble opinion, "education" is the only real remedy. The facts should first be taught in our homes to the boys and girls. They should be taught in our schools and universities, and if there

# FEATHERED FRIENDS.

BIRDS AND WOOD ANIMALS AS DESTROYERS OF INSECT PESTS.

In an address on "The Relations of Birds to the Farmer," delivered by Professor H. P. Atwater, director of the Southern Pacific exhibit at Houston before the Texas Farmers' Congress, he said, among other things:

One of the most valuable investigations undertaken by the United States Department of Agriculture during recent years is the study of the life histories of the North American birds and animals, and chiefly through the reports published by the naturalists of the division of the Biological Survey, the attention of the public has been called to some remarkable facts in connection with this subject, which I am glad to say are at last beginning to be considered by the intelligent and thinking people in our own state.

Those scientists who have studied most carefully the relations of birds to man, make the plain statement that if we were deprived of the service of the birds, the earth would soon become uninhabitable. One writer has said: "A birdless world would not be a fit place to live in, and a birdless air would not be fit to breathe," and I believe this to be absolutely true. It is probably best to mention this at the commencement of my remarks, together with another statement, that in the last twenty years there has been a loss of the most useful and valuable birds of Texas as rapidly being exterminated. I think I may safely say that the loss of the birds is something that should be done for the protection of our feathered friends.

Insects are the natural enemies of vegetation, and birds are the natural enemies of insects. The fact that insect depredations are increasing to an alarming extent each successive year, in spite of the most ingenious and available devices and methods for destroying them, makes it plain to all of us that something must be done to remedy the evil, and that, as a matter of fact, farmers, fruit growers and truck growers are the people most affected, and I believe there is not a subject that will be of more importance, at this particular time, and no occasion more suitable than before a farmers' congress.

The best and most reliable authorities and those who have studied the subject most carefully, estimate that the loss of nearly \$100,000,000 worth annually by the cultivators of the soil from insects ravages in North America alone, and this does not include damages done to ornamental shrubs, trees and forest trees, nor to grasses in the fields and on the prairies. If it were possible for the whole of the world that insects destroy, that the United States and Canada to be computed, the amount would be astonishing. Scientists have made the most careful observations in different parts of the world have absolutely proved beyond the shadow of a doubt, the value of many species of birds, and that those were formerly supposed to be enemies and were hunted and destroyed, are after all, found to be friends of the farmer, and has been further proved by many conclusive instances. The amount of good they do by destroying insects, rodents, weed seed, etc., is far greater than the amount of damage by eating fruit and grain at certain seasons of the year.

In speaking of the millinery interests, Mr. Wm. Dutcher, of New York, said that a difference of only one per cent in the annual product of our farms and gardens, amounts to more than the entire millinery industry in the United States, and he asks the question, "Have the milliners any right to jeopardize the safety of the agricultural interests?" In this connection, fruit growers remain silent much longer and permit the birds (their best friends) to be destroyed, that a trifling interest like the millinery trade may make a few dollars?

A number of our United States birds have already been exterminated (including the waterfowl, wild turkey, woodcock, prairie chicken and others are rapidly diminishing. If the slaughter of ducks and other wild fowls by market hunters is not prohibited on the Gulf coast, some species of this class of birds will also soon become extinct, for none will remain to escape in the spring to the nesting grounds and nesting places.

In nearly every case where the food habits of the birds have been carefully studied, it has been found that the good they do far exceeds the harm.

Allowing twenty-five insects per day as an average diet for each individual bird, and assuming that there are one bird to each acre, or in round numbers 170,000,000 birds in Texas, there would be required 4,250,000,000 insects for each day's diet. It has been proved that the number of insects required to fill a bushel is 120,000, consequently it would take about 35,500 bushels of insects to feed our birds for thirty days. These estimates are very low when we take into consideration the quantities of insects that have been known to destroy in a single day. For example, the stomach of a single quail contains 101 potato beetles, and that of another quail shot at 6 o'clock in the morning, contained 43 caterpillars, and another cuckoo 217 caterpillars. The stomachs of four chickadees contained 1023 eggs of the canker worm. Four others contained 600 eggs and 105 mature insects, and it is said that one chickadee will eat 5000 eggs of this worm in a single day. It is estimated that a single day, it has been estimated that a barn swallow will destroy from 5000 to 10,000 flies and other insects every week.

The crop of a dove contained 1500 seeds. During one of the plagues of Rocky Mountain locusts in the Western states, it was found that locusts were eaten by nearly every bird in that region, and that they formed the entire food of a large majority of them, and especially the hawks. Speaking of hawks, Dr. Fisher, of the Department of Agriculture, says that the loss of the 73 species and sub-species in the United States are injurious to man.

Crows, herons and bitterns feed on crabs, and as crabs do a great amount of damage by making holes in the embankments in the rice fields, it would be wise for our rice growers to protect these birds.

Now that the game birds have become so scarce, the use of song birds as food is a new danger that threatens them.

is one place more than another where the "relations of birds to the farmer" should be scientifically studied. It is in our state agricultural colleges. Knowledge of the appropriation that could be made to the Agricultural and Mechanical college of Texas, that would do more good than a substantial amount to be devoted to the teaching and study of this subject. The agitation should not be confined to the schools and colleges. The newspapers have already done good work in printing many of the facts, and will give more space to the subject when they find their readers are more interested. The subject is of enough commercial importance to be discussed by our business men's clubs, and sacred enough to be preached from the pulpit.

Many suggestions might be offered for the study of the life histories of the birds in the schools; bird boxes put in the gardens to encourage crows to build their nests there.

Professor Atwater illustrated his address by showing specimens of some of the most useful birds and animals; he produced newspaper clippings and letters from responsible parties in support of the statement and had with him the latest scientific and government reports, to which he frequently referred, and he showed the contents of the stomachs and crops of some of the birds, which he had preserved for this occasion.

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This is a radiant picture we paint, but it is not overdrawn. We predict the time is coming, and is not far distant, when the people who produce the grain, fruit, vegetables, meat and other food we eat, and the cotton and wool, leather, etc., that clothes us will be the wealthiest, most independent and happiest of all the people on earth.

Up-to-Date Farming and Gardening.

FROM THE LADIES.

HELPS IN EMERGENCIES.

My heart goes out to the young mothers and housewives who have never had any experience in illness and emergencies and accidents such as come to us all sooner or later, and with the hope of doing good I often find my busy pen in this direction. Let me advise every young mother to keep on hand old linen pieces, mustard leaves, sticking plaster and all such. None of us perhaps think enough about the best methods until we once have a scare in our own homes; then we will ever afterward be prepared. To feel helpless and know not what to do, or where to turn for help when a loved one's life is in imminent danger, is truly a sad life.

The following table of simple, safe anti-dotes will be found useful. For external poison, such as poison-oak, or all plant poisons, bathe the affected parts with a strong solution of borax water and apply a poultice of tansy leaves moistened with sweet cream. For poisons from mushroom, lead or alkalies, give vinegar and oil freely. Have a medicine chest, filled with such remedies as witch hazel, camphor, mustard leaves, boracic acid, vaseline, paragonic, olive oil, etc. "S. H."

## HOW TO SERVE OKRA.

Stewed Okra.—Trim off both ends of the okra pods; add an equal quantity of tomatoes, skinned and cut small, and stew slowly for half an hour. Season with salt, pepper, butter and a little minced parsley. One or two onions thinly sliced is a pleasing addition for some tastes.

Okra Gumbo.—Cut a pound of veal into small pieces, add an onion, two or three sweet peppers and three dozen okra pods, and fry all together in hot oil or fat until a light brown. Sprinkle with two tablespoons flour, stir for two minutes, then cover with two quarts of boiling water and let simmer gently for two hours. At the end of the first hour add two or three tomatoes. Season with salt, pepper and butter, add a minced parsley and serve with a dish of rice boiled dry.

Stuffed Okra.—Cut off the pointed ends from two dozen good sized but tender okra pods and take out the seeds. Beat the yolks of three eggs, season with salt and pepper, one tablespoon finely minced chicken or veal, and bread crumbs to make sufficiently thick. Add the seeds, fill the pods with the mixture and place in a baking dish. Cover with buttered crumbs, add a little gravy and bake half an hour. The pods may be filled from the stem ends, or they may be cut open.

Okra Soup.—Use any good soup stock and slice the okra into it. When nearly done season to taste and add a lump of butter.

Creamed Okra.—Boil the fresh young pods in slightly salted water until tender. Cook together one tablespoonful each of flour and butter, add one cup of milk, season with pepper and stir until smooth and thick. Pour it over the okra and serve at once.

Scalloped Okra.—Place cold creamed okra in layers, with seasoned bread crumbs between each, in a buttered baking dish, sprinkle buttered crumbs thickly over the top and bake for half an hour in a moderate oven. Serve hot.

—Mary Foster Sulder.

AGRICULTURE OF TO-MORROW.

It is true that the agriculture of today is the most backward and unsatisfactory of any business in the world, yet is the greatest in point of people engaged and products produced.

will know weekly exactly what his competitors are doing in every other part of the country—how much they are producing, how much they have to sell, and all are selling on the same basis. With goods much desired—yes, absolutely necessary—the producer is not chasing the markets, but the markets are hunting the producer. The buyer pays a fair price, the producer makes a certain profit and none of the parties to the transaction are in doubt or fear that they have done a bad thing in trading. With certain prices and profitable prices prevailing, the producer will market his crops gradually, the buyers will take them without fear, the consumers use them freely, thus increasing consumption and benefiting every class.

A year or two of business on this equitable basis will bring those farmers out of debt who now have mortgages resting against their farms. All will have more money to spend; farm help will be paid, as well as any other class; farms will double or triple in value, because of their certain dividend-paying qualities; good buildings will be constructed, grounds ornamented, and by and by two or three times as much will be produced from the same area. Farmers' families will enjoy all of the necessities and many of the luxuries of life because they can afford them. The children will be educated, and when their college days are over they will come back to the farm, because farming in the future will be the preferred profession.

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# CHEAP TEXAS LANDS.

The San Antonio & Aransas Pass Railway covers Central and South Texas good lands at reasonable prices, and with beautiful climate. Address: E. J. MARTIN, General Passenger Agent, San Antonio, Texas.

RANCHES.

FOR SALE—100 acre stock and farm ranch. I will sell all my property. For particulars, write to address A. J. McDONALD, Hope, Tex.

FOR LEASE OR SALE—2,500 acres or less in Coleman county on Colorado river, fine grass, water protection, eight miles from school and cotton gins; immediate possession. Also 250 acres for rent. Mrs. MAHEL DAY LISA, Dallas, Tex.

FOR SALE—One of the best ranches in southwest Texas, consisting of about 2,000 acres, about two-thirds of which is rich, dark, sandy loam susceptible of cultivation. It is located in Live Oak county, twelve miles of Oakville. It is divided into nine pastures, fenced with four or five wire. There are also seven acres of water by the Neches river, and a fine windmill. There are also three residences on the ranch with all necessary outside improvements. The grass on the ranch is only a small amount of stock has been kept on it since the present owner has been in possession. A railroad has been built through this ranch and will be built. When completed the land will sell at \$20 per acre. Write S. R. WILLIAMS, Fort Worth, Tex.

FOR SALE—Sixteen section extra well improved ranch in Panhandle, seven miles from railroad and town, good grass and protection, south pasture lands in piece of plain, all buildings apply C. E. RANCH TO LEASE—8 or 8 sections for 5 or 6 years, good grass and water, 100 stock cattle for sale. Address: T. F. NANNY, Brownwood, Texas.

FLOYD COUNTY, 478 acres on the beautiful central plains, about 12 miles nearly east of the town of Live Oak, in Live Oak county, Texas. The land is level prairie, covered with good grass. All fenced, good well with abundance of good water. Good buildings, including mill and waterworks, house, field and wood, leather, etc., that clothes us will be the wealthiest, most independent and happiest of all the people on earth.

WRITE ME for list of cheap farms and ranches for sale. W. J. MORAN, Breckridge, Tex.

FOR FINE BARGAINS—40 hands and ranches in the best section of the Panhandle, write to WITHERSPOON & GOUGH, Hereford, Texas.

TO HOMESICKERS—30 desirable farms and ranches for sale at bargain in Lampasas and adjoining counties. JOHN McLEAN, Lometa, Tex.

A FINE RANCH of 2120 acres in Gray county, Texas, good protection, watered by fine springs and running creek, with 500 head high grade Hereford stock, fine buildings, 50 head of horses, address C. J. MINER, Miami, Tex., or F. M. FAULKNER, Le Foss, Texas.

NOTICE—The commissioner's court of the county on the 15th day of August, 1902, will receive bids for the lease of four leagues of land, known as the Sutton county school land, in Sutton county, Texas, reserving the right to reject all bids for particular parcels of land. Address: S. R. WILLIAMS, Fort Worth, Tex.

FOR SALE—A leased ranch of seventy sections in the San Angelo county, well watered, good grass, good wire fence, with two houses, and improvements. Four of the seventy sections are owned and the headquarters of the ranch is located on one of the sections. Highest price offered for the ranch also for sale. No better ranch in that section can be had and the cattle are all Western raised and good color. A bargain can be had. Address: S. R. WILLIAMS, Fort Worth, Tex.

STOCK FARMS.

WILL exchange stock farms in Bosque, McLennan, Hill and Hamilton counties for western lands, or vice versa. Highest price offered for the ranch also for sale. No better ranch in that section can be had and the cattle are all Western raised and good color. A bargain can be had. Address: S. R. WILLIAMS, Fort Worth, Tex.

STOCK RANCHES AND FARMS FOR SALE.—If you want to purchase a stock ranch of any size, with or without stock, or if you want an improved farm or farming land, in Coleman, McLennan, Hill, Brown, Menard, Kimble, or adjoining counties, address MELTON & COUGH, Brownwood, Texas, or W. J. McLEON & CO., Brady, Texas.

FARMS.

CALIFORNIA FARM AND FRUIT LAND.—The development of Southern California has been without a parallel, but it has also been demonstrated recently that the North American climate is in every way its equal in point of climate, products and scenic beauty. Hundreds of families have moved to California, and are delighted with their location. Write for circulars and full information. GILLESPIE & CULLUM, Dallas, Texas.

CALIFORNIA—A choice 875-acre farm on the county seat and railroad in the famous Sacramento Valley, all cultivated, well improved, produces fine crops, all manner of fruits, seasons are regular, climate unsurpassed, it is the place for health and money-making. Can take some good land in Port Worth or Waco property or black land, farm part pay. This is an ideal place and will sell at a bargain. Box 44, GILLESPIE & CULLUM, Dallas, Texas.

FOR SALE—Nine hundred acres of fine black land in Kaufman county, five hundred acres of which is in cultivation. A creek runs through the place and is fed by springs which furnish everlasting water. There are nine houses on the place, with well at each house. It is three miles from the Texas Midland and the same from the Texas and New Orleans. The owner will trade this for a ranch and cattle. A good trade can be had. Write S. R. WILLIAMS, Fort Worth.

CATTLE.

STOCKERS and feeders can find lots of cattle for sale. Address N. E. PORTER, Deleville, Tex.

FEDERES to sell, 500 Territory feeders to sell. Address: Box 44, GILLESPIE & CULLUM, Dallas, Texas.

LAUREL RANCH—Cattle of all ages for sale. Write for prices. J. D. FREEMAN, Lovelady, Texas.

FEDERES FOR SALE—400 good Texas and Indian steers, 38 and 48. DAVIS BROS., Jesse, I. T.

FOR SALE—Land and cattle, above quarantined, in lots to suit purchasers. H. O. PERKINS, Buffalo, Texas.

FOLDED DURHAM and Polled Angus cattle, and Cleveland Bay horses, young stock for sale. DICK STELLMAN, Bochiene, McClintock county, Tex.

FEDERES FOR SALE—500 three and four year old steers, good color, well graded; will sell in lots from 150 to 100. Address: MELTON & COUGH, Brownwood, Texas, or W. T. MELTON & CO., Brady, Texas.

FOR SALE—Fifteen head of well-blooded Durham cows, not registered, bred to Lord Buttery No. 10483. Also some of his calves, bred to Lord Buttery No. 10483. 4 1/2 miles north of Celina, on Frisco.

STEEPS FOR SALE—1000 good Indian steers, 38 and 48, some 54, excellent color, all bred to Lord Buttery No. 10483. Price, \$30 for cut 38 and \$33 for 48 and 54. Five per cent if wanted, September or October delivery. W. M. DUNN, Atoka, I. T.

JAMES E. ROBINSON, Colina, Colina county, Texas, breeder of full-blooded, short-horned, registered, purebred, 30 cows, some calves, not registered, bred to Lord Buttery No. 10483. Also 6 year-old bulls, bred to Lord Buttery No. 10483. 4 1/2 miles north of Celina, on Frisco railroad.

HORSES.

FOR SALE—300 head of well bred stock horses, cheap. Address: JAMES F. WITHERSPOON, Crowley, Tex.

HORSES and mules, car lots. Mules 38 and 48. If in the market come; don't write. B. E. HURLBUT, Brownwood, Tex.

FOR SALE—500 head of well bred fat horses and mules, for sale. Address: JAMES F. WITHERSPOON, Crowley, Tex.

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HORSES and mules,



## DRESS AND FASHION.

### GOWNS IN HISTORIC STYLES AND CHIC LITTLE FRENCH WRAPS.

L'Échelle is expected to somewhat supersede toulard. It wears well and is suited to the picturesque style now in vogue. It is the graceful days of Gainsborough, Romney, Watteau, Lely and Sir Thomas Lawrence that fashion now seeks to recall, and the straight fronted corsets make the long pointed bodices



GOWN OF ROSE PINK VELVET.

of the Georgian periods once more in favor and possible. Any fabric almost, scattered over with tiny bouquets of flowers, is the mode, and sashes of chine blooms are figuring on all sorts and conditions of gowns for evening and for day wear.

Skirts are widening at the hem, one of the newest introductions being the back breadth, narrow at the top and very wide at the foot. So many of the fronts of the skirts are being embroidered like the collars and revers on the bodices.

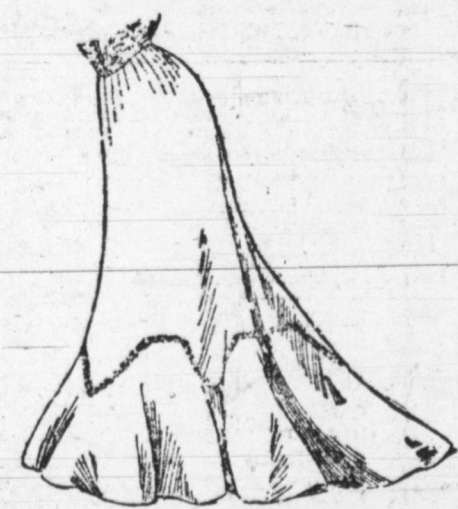
Large bows of tulle give a finish to the throat. If placed at the back, they frame the face and produce the impression of the catogan, which is one of the most becoming styles in the way of hairdressing.

Spotted and sprigged black nets and lace of all kinds over silk, often embroidered with mother of pearl, have become a perfect livery this season, with a deep folded waistband of chine silk. Many is a favorite combination with these black and white gowns.

There are a good many princess gowns about, and there is no trimming more in favor than black velvet, either sewed on or loose, and many a vest is caught across with this.

The first cut shows a rose pink velvet gown with zouave and Louis XIII. tunic, turned down collar and fancy revers in white satin embroidered with flowers. The box plaited blouse front and tablier are in faint pink silk, and the yoke neckband and sleevelet are of lace. A white satin belt fastens with an enameled buckle.

The skirt sketched is most useful at the present moment for washing materials. It is plain at the top and fitted to the waist with a group of tucks.



SKIRT FOR WASH DRESSES.

is set on beneath vandykes with little square bits in them made of openwork insertion.

Capes in the shape of carriages and little mantles are coming again, being used by fashionable women in late afternoon driving, and very fetching little French wraps of silk and lace are made up somewhat on the lines of boleros with short backs, but long tab or scarf fronts. Either black or white is chic for these dainty mantles.

### OLD MAHOGANY CLEANED.

Kerosene was not successful and turpentine required too much rubbing and even then was not satisfactory for the carved parts. So we tried a little piece with a solution of two heaping tablespoons of sal soda to a quart of warm water, put on with a tooth-brush well soaped, the place being immediately rinsed with cold water and dried with a soft cloth. Since then we have used it on several woods, natural and stained, and, homely as the recipe may sound, it has never failed to give good results. Afterward the wood should be rubbed with a mixture of raw oil and turpentine.

One mahogany antique, a hundred years or more old, that was discolored as to hide the natural grain of the wood came out as bright as new under this treatment.—Exchange.

The spectacle of Washington waiting an Oyster Bay for news of a political appointment is calculated to remind one of the feelings of Newcastle when that place received its first shipment of coal.

## THE PRESERVING KETTLE.

Fruits Preserved in Their Own Juice.—Wash the fruit thoroughly before it is pared, then put the p-rings in a porcelain kettle, adding a quart and a half of water to every four pounds of p-rings. Set on the fire and allow it to cook to a mush; meanwhile have the fruit steamed till tender. Put the fruit in hot jars and cover. Strain the juice from the fruit p-rings in a jelly bag and boil it up with one pint of sugar to one quart of juice. Pour it boiling over the peaches and seal. If one desires a little sharper flavor than is afforded by the fruit alone, add one lemon, rind and juice, to one quart of the peach juice. If preferred, a small bit of green ginger root may be used instead of the lemon.

Whole Peaches in a Rich Sirup.—Peach kernels before cooking the fruit. Plum or Apricot Jam.—Choose fine perfect fruit for jam and break the skins slightly before putting over the fire. It needs no water, and the sugar is not to be added until it grows pulpy. Lift out the pits, smash with a hammer and add the kernels to the jam. To each pound of pulp add one pound of sugar and simmer gently for an hour, when it should be ready to put in tumblers.—Good Housekeeping.

### SOME SMART COATS.

With the approach of autumn days a loose sack coat for evening or the cooler times, to put on when driving or boating, becomes an important consideration, and to avoid dowdiness no better knockabout coat than the one



LOOSE SACK COAT.

sketched can be found. It is one of the new, full sacks of smartest build, the back of which a special sketch is given, showing an absolutely new departure in cut. The fronts are very slightly double breasted, so that the coat can be equally well worn open or closed, and the neck is finished by a collar of silk or velvet. The bell shaped sleeve with turnback cuff is the finishing point.

### DELICIOUS TEA CAKES.

Beat to a cream two cups of sugar, a cup of butter and an egg, add a cup of milk and stir it well through the other ingredients; grate in a little nutmeg. Sift into a bowl three cups of flour, or a little more if necessary to make the dough stiff enough to roll out, with two heaping teaspoons of baking powder; then add the flour to the other mixture, a little at a time, stirring briskly to keep the flour from lumping. When the flour is all in, if the dough is stiff enough to roll out dust the pastry board well with flour, turn the dough out of the bowl and roll it out very thin. Cut out in little shapes with a cutter, lay them on well greased baking tins and bake in a quick oven. While the cakes are hot sprinkle the top of them with sugar.

### BOILING WATER FOR TEA.

No less authority than Tung Po, the Chinese poet, is quoted for a recipe for tea-making. He says: "Whenever tea is to be infused take water from a running stream and boil it over a lively fire. It is an old custom to use running water, boiled over a lively fire. That from springs in the hills is said to be best, and river water the next, while well water is the worst. A lively fire is a clear, bright charcoal fire. While making an infusion do not boil the water too hastily. At first it is best to sparkle like crabs' eyes, then somewhat like fishes' eyes, and lastly it boils up like pearls innumerable, springing and waving about. This is the way to boil water."

### A NEAT SUPPER DISH.

Sardines packed in a canning fluid are nice for Sunday night suppers. Use just enough of the oil in the box to cover the bottom of the dish and keep the fish from sticking. When they are browned on both sides, sprinkle liberally with lemon juice and serve hot.

The fruit growers of the Ozark country in Missouri and Arkansas will meet at Springfield, Mo., September 2, to form an association to better their interests. Invitations have been sent to the several counties and a large attendance is promised. One-way fare has been given by the Frisco for the round trip.

## SOME GOOD RECIPES.

### A FEW SEASONABLE DISHES WARRANTED TO PLEASE THE PALATE.

Bluefish Stuffed and Baked.—Melt one-fourth a cup of butter in one-fourth a cup of boiling water and stir into one generous cup of soft bread-crumbs. Add a dash of black pepper, one-fourth a teaspoonful of salt and a teaspoonful of "poultry-seasoning" or powdered sweet herbs. Mix thoroughly and use to fill the open space in a bluefish. Before filling the fish with the dressing wash and wipe the inside, making sure that it is clean along the backbone. Then sprinkle with salt and pepper. Run a trussing needle threaded with twine through the tail, the center of the body and the head, and pull and tie the thread to secure the fish in the shape of the letter S. Score the fish on the sides and press a narrow strip of fat salt pork into the spaces. Rub over the outside with salt and pepper. Bake in a moderate oven about ten minutes to the pound, basting each ten minutes with butter, salt pork or bacon fat, melted in hot water. Slide from the fishsheet to the serving dish, and remove the threads used in trussing and holding in the dressing. Garnish with parsley and slices of lemon. Serve with tomato or drawn butter sauce. Chopped olives, pickles, capers or parsley may be added to the drawn butter sauce.

Bluefish Salad (excellent).—Separate the remnants of a baked bluefish into



### BLUEFISH STUFFED READY FOR BAKING.

Skates, discarding skin and bones. Set aside, covered, until cold. About an hour before serving sprinkle with salt and pepper and (for a generous pint of fish) the juice of a lemon. When ready to serve, dispose heart leaves of lettuce on the edge of a salad plate and turn the fish into the center, letting it come out over the stems of the lettuce leaves. Pour a boiled dressing over the top and spread evenly with a silver knife over the fish. Put a tablespoonful of chopped pickled beet at the stems of each group of leaves, a ring of the beet near the top and figures cut from the beet between.

Boiled Salad Dressing.—Heat one-third a cup each of vinegar, butter and hot water with half a teaspoonful of salt to the scalding point; then pour over the yolks of three eggs, beaten with half a teaspoonful of mustard and a few grains of paprika. Stir constantly until the mixture thickens, then set into cold water, lest it curdle. Strain when cold and when ready to use fold in one-third a cup of double cream; beaten cold.

Sour Cream Biscuit.—Sift together two level cups of flour, half a teaspoonful of salt, a scant half teaspoonful of soda and a teaspoonful of baking powder. Mix to a dough with one cup milk. Roll out on a floured board. Pat into a sheet three-fourths of an inch thick and cut into rounds. Bake about twelve minutes in a quick oven.

Melons in northern markets are at their best in August and September. In the illustration two of the most attractive of the many ways of serving



### ATTRACTIVE WAYS OF SERVING MELONS.

Melons are given. In both the serving of the green rind is avoided. In one only the edible pulp, with the seeds, is brought to the table. In the other the red pulp is scooped out from the melon, cut in halves, by the spoonful.—Boston Cooking School Magazine.

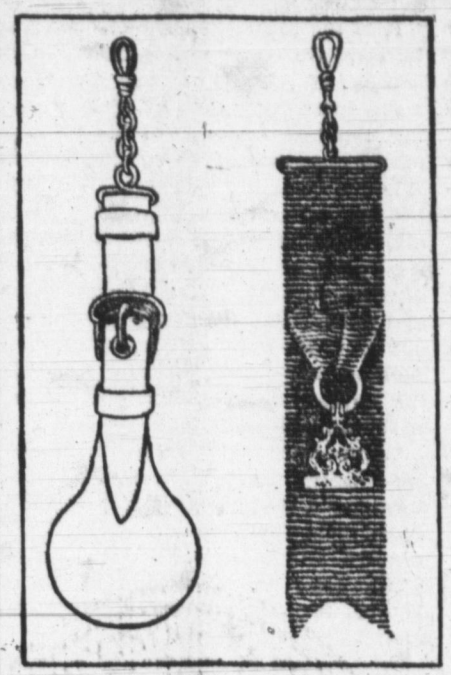
### CREAM OF SPINACH SOUP.

Recipe of the Boston Cooking School Magazine: Cook half a peck of well washed spinach in the water that clings to the leaves, sprinkling it lightly with salt. Chop fine and pass through a puree sieve. For a cup of puree make three cups of white stock, using milk or milk and white stock as the liquid and half the usual quantity of flour. If the stock has not been flavored with onion, carrot and parsley, cook two slices of these vegetables with a spray of parsley in the butter or oil and cool them in the milk used for the sauce. When ready to serve, add the spinach to the sauce, and when reheated stir in one or two yolks of eggs beaten and diluted with half or a whole cup of cream.

It is said that China will have an unprecedented exhibit at the Louisiana Purchase Exposition.

## NEW FADS IN FOBS.

The watch fob has been generally accepted for women's wear. Now it is deemed that the fob shall be made with special reference to the gown with which it is to be worn, and of this fresh fad the New Idea Magazine says: The fobs are handmade and need



WATCH FIQUE FOR. RIBBON FOR WITH SEAL.

have no ornament save a buckle. Most of the fobs are made of heavy material to match a gown, of velvet or corduroy or of some fabric which makes just the bit of contrast needed to set off the costume. The fob may match the material of the belt or even of the stock. A scrap of goods from a suit is sufficient for a fob.

The fobs which are intended to be finished with an ornament at the lower end are made straight, like a strap. Those that have the buckle only are rounded out into a lobe shape at the bottom. If the material is heavy, all that is needed is a binding of some sort around the edge. Some of the fobs are stitched also, while some materials look much better without the stitching. The binding is often of a contrasting color that gives tone to the fob.

A clever girl made some unique fobs from heavy knitting silk, knitting a close, heavy pattern and bringing the end to a point or widening into a lobe. These fobs she bound to keep from stretching. She also knitted a belt and stuck to make a complete set.

Pretty little fobs of taffeta, cut with the lobe end and stitched with self color or one that will contrast prettily with the silk, are used with stitched taffeta belts. Belt and fob are buckled to match with gun metal, brass, silver or nickel.

Smart fobs of heavy black silk ribbon with small seals, made like those worn by gentlemen, are shown by the best jewelers. A pretty example is given in the illustration.

The tiny buckles may be had in plain styles more elaborately wrought, and ornaments for the end of the fob are shown in a variety of designs. As a rule, they represent some symbol of the owner's taste in the line of outdoor sports.

## TENNIS AND CROQUET.

It being the fad of the moment to be domestic is one reason for the revival of tennis and croquet. Consequently on all of the country places that have the older places, the croquet lawn and the tennis court are receiving much attention. Where there is not a grass court a dirt court is put up, and many people prefer this to the former.

But the most attractive courts are those that are laid out on a lawn, for the green grass seems a necessary accompaniment, especially when women are playing.

The fad of the moment is to have the croquet lawn as near the house as possible, so that spectators can watch it from the veranda or terrace, as the case may be.

## HINTS ON SEA BATHING.

Dr. Graun, president of the Connecticut Medical society, is credited with the following:

"That salt water bathing is a panacea for all ills seems to be the prevailing impression. People from the interior are particularly convinced of it and practice it very freely in their outings at shore and watering places.

"But from my personal observation I am convinced that sea bathing is overestimated as a benefit, or, rather, it is overdone.

"I am accustomed to saying that for the average child or adult the maximum of benefit is obtained by not more than one-half hour per week—five minutes every day or ten minutes on alternate days—and, further, if after thorough rubbing down there remains a feeling of lassitude, an inclination to lie down or the desire for a stimulant the time must be shortened to that point at which, after the bath, the bather exhibits a full reaction and a desire to resume his play or occupation immediately.

"It is true that many children can afford to stay in the water longer than the overestimates, but it is not unusual to observe children strutting for home in the late summer or early autumn with rather hollow cheeks and apparently large eyes instead of the ruddy cheeks and generally robust appearance which they should have after their summer outing."

## Orange Jelly.

One box of gelatin, one pint of orange juice, one pound of granulated sugar, three pints of hot water and the juice of one small lemon. Soak the gelatin for one hour in the orange and lemon juice, then add the sugar and hot water, put on the stove and let it boil for ten minutes. Remove from the fire and when it is nearly cold add the lemon juice and pour in a mold to cool.

The Mississippi Valley Farmers and Produce Growers' Association is at the head of a movement to establish a wholesale market house at East St. Louis.

## THE PAJAMA FAD.

### AN IDEAL LOUNGING GARB FOR THE SLENDER, GRACEFUL YOUNG WOMAN.

Whether or not men are to be blamed for suggesting the idea is a difficult point to settle, but the fact has suddenly come to light that bifurcated apparel is by no means unusual among up to date young women, according to the New York Herald, which has the following to say about the fad:

So far it is confined exclusively to garments intended for the hours devoted to gentle sleep, and there is no reason to believe that the fashion will extend beyond the walls of midday's dainty boudoir. But feminine pajamas have met with great success already. True, pajamas cannot be called particularly attractive looking apparel, especially when worn by stout women. The jaunty trousers and coats wender



SHE LOOKS AS PRETTY AS SHE CAN.

such creatures far from being visions of beauty. A slender, svelte figure, on the contrary, lends rather a chic air to this somewhat ungraceful style.

For lounging and genuine comfort there is nothing more fitting than pajamas, if they are cool and thin. Of course there are some fair creatures who wouldn't for the world exchange their dainty lace and ribbon trimmed garments for the prettiest pajamas made, and they are very sensible to stick to their feminine fripperies.

By no means is it essential that pajamas should be homely garments. In their way they may be as quaintly pretty as the most elaborate night robe. The curious little Chinese loops and cords that have always been a characteristic of men's pajamas are in the latest models dispensed with entirely, and in their place are used large flat pearl buttons. Not even the soft neck fluff in the form of an ordinary collar has been deemed desirable on the new apparel. Another noticeable difference is seen in the sides of the coat. There are no slits, and the necessary spring is secured by curving the seam.

While the new feminine pajama trousers are apparently cut exactly like a man's, they really are sloped in over the hips in order to do away with any unnecessary fullness. A fancy tape is supplied for drawing them up around the waist. Quite the quaintest feature in the new pajamas was presented in the trim trouser legs. These are sufficiently loose and long to be comfortable, and around the extreme bottom is a fold of the white fabric that rolls up in a very piquant, mannish fashion.

The jaunty little rolls make the feet seem all the smaller, and the chic bedroom slippers are much more fascinating when peeping from beneath this enveloping fold.

Silk garments are very popular for summer wear, and pale blue, dainty blue and soft yellow silken pajama suits are fetching enough to win over a prejudicial person.

Pajamas will never be universally worn, for the reason that all women do not find the fashion possible. It promises, nevertheless, to become an immensely popular fad, and among those with whom it has already found favor may be mentioned college girls.

## ATTRACTIVE WINDOW SHADES IN THE BEDROOM.

Window shades have generally been regarded as useful but rather ungainly articles, but even these are now made beautiful after the manner shown in the illustration.



MADE WITH BONNE FEMME FLOURING the cut, where a "bonne femme" dounce of muslin edged with ecru lace, bound an effective border of applique on net, add grace to outlines that would otherwise be severe.

In the Bedroom. Hemstitched borders are the fashion for pillowcases.

No pillows in the daytime, but a round bolster to match the counterpane, is one of the modes in bedmaking.

Blue and white barred gingham makes pretty and practical bedroom drapery.

Lavender scented sheets and pillow-slips are an old time delight revived.

Delicately scented bed linen has a distinctly soporific effect, besides being soothing to the nerves.

## LIVING ON THE LAWN.

Roof gardens and cozy corners are well enough for town, but spending one's days out of doors in this season's fad, although in some sections of the country Jupiter Pluvius has greatly interfered with the programme. All the accessories are to be had for a consideration, and the New York Herald tells what some of them are, as follows:

Many have already supplied themselves with grass shacks, or tepees, made of straw and bamboo, and this summer the most inviting vineclad summer house will have no attractions which can compete with the out of doors shelter. The tents, or shacks, are extremely light and therefore easy to move about on the lawn. One of the chief delights of this outdoor existence is that each day a change must be made in the location of the shelter.

An excellent lawn structure and one which is easily put up is that made of aldaris. First there is a square frame of bamboo laid upon four bamboo uprights, and across the top is fastened one of these oriental curtains. Each side is also covered with a sidarr, and these are so arranged that one, two or all may be rolled quite to the top without much trouble.

Sidarrs are made of very fine horizontal strips of bamboo woven together with grass, and, while they are sufficiently heavy to serve as a screen from the sun, they possess the great advantage of admitting air. They are so woven that one is practically in the open air without being made uncomfortable.

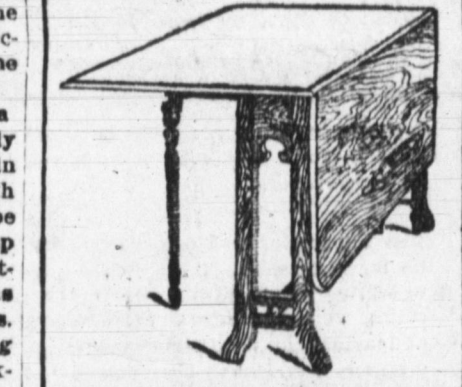
The grass tufted earth serves as a carpet, though some furniture must be brought out to give the shelter a habitable appearance. Blankets are necessary, for occasionally the ground is too damp to sit upon without some such protection. Pillows will also add to the general comfort, and a nap in the open air on one of these is the perfection of summer joys.

## HOUSEHOLD HINTS.

The child is susceptible, absorbing both good and bad. Give him the opportunity, and he will find the means. Some one must care for him, and with wisdom. If you would have perfect contentment as well as discipline, return the cradle from the attic to the nursery. The theory of the injury to a child from rocking is without foundation. On the contrary, the results are positively beneficial. The nursery is destitute without the cradle. The future welfare of the child also is dependent upon it. There is talk of an increased nervousness among children of today. If they had the cradle to soothe their weary nerves, this might not be the case. The cradle can do no harm and may do a great deal of good.—Dr. Maurice Hunt.

## HANDY SUMMER TABLE.

A convenient table for the porch and for various uses is shown in the illustration from the Delincentor. It is a



A CONVENIENT FOLDING TABLE. simple following of the eighteenth century gate leg table, its characteristic being its compact folding against the wall when not in actual service. A circular or oval top table is convenient in much the same way.

## CURRENT FASHION NOTES.

Raspberry red is a chic color just now. It is pretty in dotted swiss or batiste.

Many fine rows of founcing appear on evening gowns.

Long, close sleeves are foretold. Paris is launching them.

Geranium red hats and parasols are worn with all white gowns.

The palm leaf fan, transformed by means of flower garlands and soft, full crown of muslin, affords the summer girl an original hat.

The loose sack and full skirt makes a favorite lounging gown.

The loose coat and passamenterie trimmings will figure in furs next season.

Cloth in very light weight, beautifully finished and of most delicate colors, will be made up in the first autumn gowns.

Stained leather dust ruffles for the walking skirt are the latest fad.

Earrings and locket to match are the society girl's last whim.

Joseph Anderson, a farmer near Salina, Kas., while dependent over do-

## BAD BABIES.

Are often only hungry babies. They cry and fret because they are ill-fed. The healthy mother is sure to have good babies; babies that cool and sleep and grow. Mothers who use Doctor



Pierce's Favorite Prescription, are generally healthy and happy, and have healthy, happy children.

"Favorite Prescription" prevents nausea, soothes the nerves, promotes the appetite and causes sleep to be sound and refreshing. It gives a great physical vigor and muscular elasticity so that the baby's advent is practically painless. It is the best tonic for nursing mothers, restoring strength and promoting an abundant flow of nutritive secretions.

"I can cheerfully recommend Dr. Pierce's Favorite Prescription as one of the best medicines for women," writes Mrs. Mary Murdoch, of 1024 Woodland Ave., Toledo, Kas. "I suffer it the best medicine I know of for so equal. I am the mother of ten children and only one living—the tenth one. She is one year old and is as well and hearty as can be. She is a beauty. Of my other babies, one lived to be one year old but she was always feeble. I tried different doctors, but none of them could tell me what my trouble was. They said I was well and strong. I was examined by surgeons but they found nothing wrong, and they were puzzled to know what my trouble was. I did not know what to do. I was told to try Dr. Pierce's Favorite Prescription. I took it the entire last month and now I have a fine baby girl, and I cannot praise your medicine enough for the good it did me."

"Favorite Prescription" makes weak women strong, sick women well. Accept no substitute for the medicine which works wonders for weak women.

Dr. Pierce's Pleasant Pellets are easy and pleasant to take. A most effective laxative.

domestic troubles last week, drowned his four children in a cistern and then shot himself.

ANENT THE NEW WOMAN.

I REALLY cannot let this matter pass any longer. I have been debating it with myself ever since last winter and especially since another occurrence a few weeks ago has driven it in my mind with a spike and sledge hammer. One should never go off in his mind prematurely, so I have been for months considering whether I ought to call the attention of the women of this republic to the dangerous and scandalous goings on in the United States senate. Now I have decided that as a duty incumbent on me and one which cannot be shirked I must speak out a solemn warning against trusting the masculine sex with the ballot and the law-making power.

To the United States senate are chosen men presumably of the ripest intellects and most seasoned passions, yet last winter in a solemn session of that body one elderly member leaped over the seats like a kangaroo and grabbed a brother senator from his own state by the hair, and this one "he pitched into him and him pitched into he," and the two had a gorgeous dog-fight in the eyes of all the world, so to speak. Of the more recent occurrences the scare head lines of the newspapers said: "Senator — Grabs Senator — by the Throat on Floor of the Chamber." "Why I Did It—I Was Mad and Lost My Head!"

"Now I ask the women of the land whether creatures like these, swayed wholly by their emotions, driven hither and thither by the excess of the moment, like the animals in a mule corral during a stampede, are fit to be trusted with political responsibility. Do not these repeated outbreaks in the gravest and most legislative body of the republic show a hopeless lack of that cool judgment and solid brain power which alone can keep the human head level in critical moments? Yes, verily, plainly man is a creature too emotional to be trusted with the governing power.

CULTIVATING GRACE.

The three elements of grace are gravity, flexibility and force. Physical culture should educate each muscle of the body, and when the body is under the complete control of the will, if the mind have high ideals and ennobling thoughts, the individual will be graceful. From this flows the wonderful quality of personal magnetism.—Milwaukee Sentinel.

A fancy in which some hostesses indulge is to have different sets of glass to match their different sets of china, and some exceedingly artistic color effects are achieved by this combination.

To remove finger marks on doors rub the marks with a piece of flannel dipped in paraffin, and they will disappear as if by magic.

The best homemade fire extinguisher is four ounces of pearl ash dissolved in hot water and added to a pint of cold water.

## A CROSS WOMAN

is a disagreeable creature to live with; the trouble is in the stomach and bowels. She needs

## Prickly Ash Bitters

THE SYSTEM REGULATOR.

This great remedy removes at once the bilious impurities in the system, cures constipation and strengthens digestion. A few doses make a wonderful change; the tired, pale, nervous, dependent woman becomes strong and happy, with rosy cheeks and cheerful spirits.

PRICE, \$1.00 PER BOTTLE.

AT DRUG STORES.



POULTRY.

57 PREMIUMS—In three shows in 1901. Breeders of high class poultry. Single Comb White, Buff and Black Leghorns, Eggs \$2.00 and \$2.00 for 15, and White P. Rocks Eggs \$2.00 for 15. Fine stock for sale at reasonable prices. State agents for the Prairie State Incubators and Brooders. Shipped from Dallas at factory prices. Send for free catalogue. Also carry in stock Chamberlain's Perfect Chick Feed, Mica Crystal Grits, Ground Oyster Shell, Lambert's Dredge, Lard, Powder, and Liquid, and Humphrey's Green Bone and Vegetable Cutters. THE NORTON POULTRY YARDS, 439 Cole Ave., Dallas, Texas.

THE BEST—THE BEST BUFF LEGHORNS, Buff Rocks. Eggs for hatching, \$2.00 per 15. No stock for sale. I will satisfy you. J. F. HENDERSON, Fort Worth, Tex.

EDWARDS, PITTSBURG TEXAS. Golden, Silver and White Wyandotters, C. I. Game, Light Brahma, White and Buff Langshan, Barred, Buff and White P. Rocks, Golden Sebright and B. T. Japanese Bantams, Eggs \$1.25 for 15. Buff and Brown Leghorns, Pekin Duck Eggs \$1.00 for 15. M. Bronze and White Holland Turkey Eggs \$1.50 for 12. Rough and Sore Head Cured Eggs \$2.00 per box.

EX. BOAZ BENEFOOL TEXAS. Golden, Silver and White Wyandotters, farm raised. Free range for young and for breeding stock. A fine lot of youngsters for sale at reasonable prices. Eggs \$2 per setting. Correspondence solicited. When writing to advertisers please mention The Journal.

Geese and ducks should have water to swim in during the breeding season, as they mate better in water than on dry land. Any farmer can easily dig out a little place in the ground with a team and scraper and keep it filled with water. The dull season in the fall is the proper time to make these watering places for the next year.

E. G. SENTER, LAWYER. 341 Main Street, DALLAS. DEAL DIRECT WITH MAKER.

CHAS. P. SHIPLEY Boots and Saddles. Are winners. Order catalogue and measure blanks. Prices right. Perfect workmanship. Try us with one pair. Visit our store. Opposite Stock Yards. KANSAS CITY, MO. No. 80. Tongue French Calf Boot, price, \$12.00. No. 60x. Alligator, same as it, price, \$14.00.

POULTRY

It is a well known fact that poultry manure is among the best fertilizers known. Droppings from matured stock are the most valuable.

An easily available substitute for hay as a material for hens' nests is plain, everyday sawdust. It possesses the advantages of being clean and easily changeable.

The hens do not need fattening food now. They need grass, vegetables and insects, and above all shade and quietness. Feed sparingly of corn and wheat, but give more oats.

THE HEN AS A MONEY MAKER.—One of the brightest and most pithy papers read before the Poultry section of the Texas Farmers' Congress was that of Mr. C. E. Jenkins of Bryan, on "The Hen as a Money Maker." He said:

"It is a matter of impossibility to give in one short paper, or the amount of time I feel it my right to occupy, anything more than a mere outline of the ability of the hen as a money maker. That she is one, but few will dispute; but to what extent, and what per cent she will pay on an investment, depends as much on the management of the investor as on the hen.

There are some farmers who can tell you how much money their poultry bring in, just as they can tell how much their hogs, cattle or cotton paid last year; but with a large majority hens are too small a business to fool with.

"The people who affirm that poultry raising does not pay, readily admit that there is money in hogs, cattle or sheep. If the hogs were left to shift for themselves, half the pigs would be lost or stunted. From lack of attention, the calves would die and the cows give less than half a ton of milk. Would there be any profit in sheep if the ewes were left to wander at will? Hardly. Neither will poultry pay under similar conditions; yet I believe I would be safe in saying that half the flocks in this country are managed, or rather mismanaged, in just such a way. Why, by nine-tenths of the people the hen is not mentioned when giving to the assessors a list of stock and farm products. They will say, 'Oh, yes! I sold some hogs, or cattle,' but fall to tell of the dozens of fryers or eggs that were carried to town, or that old Blackie, who is now worth fifty cents, raised two broods of chickens of nine or ten each that were sold for \$3.00 per dozen, and scratched the food they were raised on.

"Were the fowls on the farms provided with suitable houses, fed once a day in summer and twice in the winter, on corn and other grains, and furnished with clean water in clean vessels, flocks of fifty will easily pay a profit of one dollar per head in eggs alone. Then

the young stock can be raised to replace the older ones that have been sold as broilers or roasters. It costs no more to raise a pound of poultry than it does for beef, yet the one readily brings from 50 to 100 per cent more per pound than the others.

"Less than three months ago, chickens that did not weigh two pounds each, live weight, were selling at 40 cents. As to the price of eggs, go into any town you please and ask for a dozen eggs, guaranteed strictly fresh, and you will find them as scarce as the hen's teeth we hear of now and then. I know there are farmers all over the land who sell eggs and fowls at fancy prices who have to buy every grain or seed fed to their fowls who make profits of \$10.00 per hen. While I could give you some instances along this line, I feel that it is not necessary, as that will be fully covered in the subject assigned to another, being confident that it will be found to have had more investigation at his hands than I could give it. That there is money in hens is a sure thing. The person who will take up poultry and eggs for market, give the business close study and personal attention to all the little details, producing goods that he can and will guarantee to be strictly first class in every particular, will find that the supply cannot keep up with the demand, and, last but not least, will find it to be a cash business in more ways than one.

MARKETING POULTRY AND EGGS.—The mercantile side of the poultry industry was touched upon at Texas Farmers' Congress in a manner both interesting and instructive, by Mr. J. R. Donnell of Belton, whose paper on "Marketing Poultry and Eggs" is appended:

In this country and other thickly settled portions of Texas, the farmer is saved the trouble of carrying his products to market. The market comes to him semi-weekly in the shape of the "chicken peddler," who carries staple dry goods, notions, groceries and the farm-utility household utensils, to the farm-yard gates, and there barter the goods to the farmers' wives for chickens, eggs and butter. These peddlers usually pay at the farm houses the same price received from the cash buyer in town, as the peddler gets his profit from the goods sold.

The rural free delivery mail carries also buys eggs and butter from the farmers on their routes, paying them cash. Counting time as worth money, time thus saved in disposing of their produce and purchasing needed articles at their very doors, it is probably the best way for the farmers to market the bulk of their surplus poultry and eggs. However, it might be well just here to mention some of the objections to this system. First and foremost is the lack of individual personal responsibility for selling inferior produce, and lack of individual credit for having a

superior quality of butter, guaranteed eggs and yellow-legged chickens. With the peddler an egg is an egg. He gets the same price from the cash buyer in town for the small and the "bad" egg as he does for the large and the fresh egg; j-oviding, of course, he does not get too many bad ones on his rounds.

It is the same with the chickens and butter. Butter is not included in the caption of this article, but I must say a few words about it. To any one having handled country butter in large mixed quantities, it is no surprise that it is quoted so low in the markets. The peddler takes anything called butter, allowing all the makers the same price, regardless of color or quality. It is all dumped into the same bucket or can, and then sold in a lump to the cash buyer. What incentive is there in such methods of marketing to induce the housewife to take any extra care of the milk or butter?

Another serious objection in marketing country produce through the peddler is that the system pays profit to so many men—the peddler the cash buyer in town, the commission man and the retail dealer of the city, four middlemen between the producer and the consumer.

This system of marketing, however, is unavoidable in communities marketing as much produce as ours. Belton's local market could be glutted with 200 to 300 dozen eggs, yet I have, in a single day, bought nearly ten times that many. The cash market on eggs at this place all last spring and winter was about the same as the market quotations of St. Louis, Chicago and Kansas City. By getting together large lots of eggs the cash buyer will receive a better price than could a shipper of small lots. The difference being enough usually to pay his profit.

While the producer will necessarily have to market the bulk of the poultry, eggs and butter through the channels now most in vogue, as mentioned herein, it will always be to their interest to sell direct to the consumer, if possible. A good many farmers of this community make yearly contracts with town customers to furnish them eggs the year round at ten cents per dozen and country butter at twenty cents per pound. Individually, I find it more profitable to sell eggs from my farm in the winter, when high, at market price, than in the summer, when one-fifth to one-half of the eggs purchased in the stores are spoiled, sell the consumer guaranteed fresh eggs at double the usual market price. Any one with a sufficient number of hens to fill the shipping crates, holding thirty dozen eggs, could carry out this plan on a larger scale by shipping daily to consumers in cities, where Kansas eggs in the summer sell for twice the price of Texas eggs. If this plan is adopted, new cases, with the shipper's name and address, should be used. Never use second-hand cases, especially in summer.

DAIRY

That damp, musty smell in the milking room is caused by dead air. Admit plenty of sunlight and don't be afraid of changing the atmosphere. Microbes may thereby be eliminated.

The better the quality of cream, the stronger the demand for it. City dwellers are becoming fastidious about this article and the farmer that is careful to produce a really "good thing" need never worry about the disposition of his product, even though there is no butter factory in his locality.

It is estimated that a quart of milk will furnish about the same amount of nutrition as three-fourths of a pound of meat. Were its full food value more generally realized it would be used to a much greater extent than at present. The food value of milk is not based entirely upon the butter fat which it contains, as is generally supposed. Even skim milk is highly beneficial, as it supplies the body with the same percentage of albumenoids as that from which the cream has been removed.

Pretty nearly everything is possible in connection with stock husbandry, but many things are not profitable, says Hoard's Dairyman. A calf six weeks old kept six weeks longer for fattening would not be a very salable animal. Its flesh would be neither veal nor beef. It would be quite practicable to take such a calf and keep it growing without milk, and when it should be a year or more old, finish it off for beef, but it is our opinion that there would be little or no profit in such a transaction.

INEFFICIENT SKIMMING OF MILK.—Perhaps the greatest leak in creameries is inefficient skimming, through using inferior separators, or on account of one or more of the following, writes J. W. Hart: Overfeeding the separator, separating at too low temperature, the bowl not running steadily, or at too low speed. A separator that will skim 3000 pounds of milk in the spring should have its capacity cut down to 2500 in the fall to do equally clean skimming where the speed and temperature remain the same. The skim milk should be tested daily, and the information gained by testing the skim milk should be used in regulating the various factors that go to make clean skimming. With a good separator intelligently run the loss of fat in the skim milk, as compared with the loss in running a fairly good machine, might amount to one-tenth of 1 per cent. If the creamery receives 8000 pounds of milk a day the loss of butter fat in a year would amount to 2400 pounds, which at 20 cents a pound would be valued at \$480. This is by no means an extreme case, and it is likely that the loss of fat in skimming would

DAIRY

have to be considerably greater before the patrons comment upon it.

THE CARE AND HANDLING OF MILK.—In a bulletin on "The Care and Handling of Milk" issued by Otto F. Henszler of the Cornell University Experiment Station at Ithaca, N. Y., he says:

Two great problems confront the milk producer. One is the producing of milk of a certain chemical composition or richness, and the other is the producing of milk of a good keeping quality. The one depends on conditions previous to milking, while the other depends largely on care and condition of animal immediately before milking, the operation of milking, the care and handling of the milk after it is drawn, its storage and its transportation.

The presence of bacteria in the milk must be constantly fought. The first source is the udder, itself. If the cow is suffering from any disease, the milk will be infected and should not be used. Most diseases will color the milk or decrease its flow.

If animals are healthy the only channel of bacterial invasion is the teat. Some cows have teats which can best be described as leaky, and the entrance through them, of bacteria is made very easy. Too great care cannot be taken that all surroundings may be clean and healthy. Care must also be taken during milking, that particles of dust and dirt do not enter the pail. As the teat and milk cistern are the seat of the greatest number of bacteria, it is well to reject the first few streams from each teat, as they are rich in bacteria.

After being drawn the milk should be immediately transferred from the stable to the room where the milk is strained, aerated, cooled and stored.

As soon as possible the straining should be done. After many experiments no better strainer has been found than one made of a wire gauze and four layers of cheese cloth.

No matter with what care milk has been drawn and strained, it will contain some bacteria. Their growth must be checked and it can best be done by keeping the milk cool, as they require warmth to grow and multiply. Sometimes milk is heated to the boiling point to destroy the bacteria, but that method imparts a cooked taste and renders the milk less digestible. If heated to a temperature just below boiling, the bad effects will not be apparent and the bacterial will be destroyed.

Transportation of milk, especially long distances to the city, has been a great problem, but the use of refrigerator cars has made it simple. Most roads have their milk trains well equipped and the chief difficulty now is keeping the milk cool after it leaves the milk room and before it reaches the car. Bottled milk put in boxes and covered with ice, will arrive at its destination in better condition than shipped in cans.

DAIRY

single fine wool section of Australia there are now but 4,000,000 sheep, against 16,000,000 a few years ago.

"Cross-bred sheep are taking the place of the fine wools in many parts of Australia, and in other instances the ranges have been so heavily stocked that the drought has left them in a state of total exhaustion, and the fine-wool industry has received a permanent set-back.

"Readers of your paper know better than I do whether there is any possibility for any further large expansion of fine and medium wool growing in Montana and other sections of the great West. These wools of Montana are not equal in quality by those from any other section of the United States except Southeastern Ohio, West Virginia and a few counties in Pennsylvania. This is due in a measure to natural grass lands and advantages of climate, but it is also due in no large measure to the wise and liberal use of purebred rams that manufacturers often explain the desirability of Montana wools wholly on the ground that they are well bred.

"If it is not going to be possible to expand the fine wool production it is folly for the growers to give away their advantages by throwing all their wools into a few competing hands in a single month. What they ought to do is to so market their wools through a single selling agency direct to the manufacturers as to get the advantages of a rising market throughout the twelve months of a year like the present.

"At the present time the people of the United States are very prosperous, labor is well employed and is scarce in many industries, prices are generally satisfactory, crops are promising, railroad earnings are enormous and merchants and manufacturers are generally very busy. Will the wool growers receive their share of the present prosperity, or if not why not? If not, it will be because they throw all of their clips upon the market at one time."

With such a prospect before them, why should the flockmasters who have good herds be in haste to market sheep under such conditions as prevail to-day?

J. B. Moore, of Crockett county, has sold to Charles Blandon, of San Angelo, 4000 dry sheep, ewes and wethers, at \$2.00 average per head. They will be shipped to the Indian Territory for feed in October.

"After the American clip of the present season is taken up, the manufacturing industries of Europe and America have only the colonial wools to depend upon, which are shorn next January. When the full force of the diminished supply is felt, something very like a famine in fine and medium wools will be experienced.

"The great wool-growing sections of South America have radically changed from fine to cross-bred wools. The production of fine wools in the Eastern States of the United States has greatly diminished. New Zealand is producing nothing but cross bred wools, and in a

In a Glass of Water. Put a handful of ground coffee in a glass of water, wash off the coating, look at it; smell it! Is it fit to drink? Give LION COFFEE the same test. It leaves the water bright and clear, because it's just pure coffee. The sealed package insures uniform quality and freshness.

FOX AND WOLF HOUNDS. Of the best English strains in America; 40 years' experience in breeding these fine hounds for my own sport; I now offer them for sale. Send stamp for Catalogue. T. B. HUDSPETH, Missouri. When writing to advertisers please mention The Journal.

VARICOCELE. A safe, painless, permanent cure guaranteed. Twenty-five years' experience. No money accepted until patient is well. Consultation and fees, by mail or at office. Write to DR. T. C. M. GLENN, 915 Walnut Street, KANSAS CITY, MO.

ALLIGATOR BRAND ROOFING. Is tough, durable and easily laid. Made of chemically treated, heavy sheet metal, coated with a bituminous material, not a paper or any kind of putty. Perfect protection against rain, wind, hail, and fire. Suitable for any kind of building. For particulars, write to ALLIGATOR BRAND ROOFING AND CORRUGATING CO., 218-220 W. 8th Street, Kansas City, Mo.

THE WEBER M. P. Gasoline Engines for auto, light, and heavy work. Free catalogue. Write to WEBER GAS & ENGINE CO., Box 100, Kansas City, Mo.

ROUX'S Uterine Powder. Specific Against Retention in After-Birth of Cows. Prepared by L. ROUX, Veterinary Surgeon (France). All cattle farmers careful of their interests should keep a supply of this valuable remedy for use in case of emergency; it is certain and efficacious in its effects. F. GAUGER, 21 Paris, 1900. E. FOUGERA & CO., 26-30 N. William St., New York. Agents for the United States. When you write to advertisers please mention the Journal.

BERKSHIRE.

UP-TO-DATE BERKSHIRES. Baron, Fictus, Champton, Dallas Fair, 1901, at head of herd. Write me, J. C. WELLS, Howe, Texas.

WINNY FARM BERKSHIRES—ON HAND now some fine litters of pigs ready for prompt shipment. Write me for prices on Barred Plymouth Rocks. To make room for youngsters coming in will sell matured fowls cheap, quality considered. Address: J. Q. HOLLINGSWORTH, Copshata, Ia.

POLAND CHINA. ONE STAR POLAND CHINAS. For sale: Males ready for service, bred sows and great litters. Up-to-date related. Breeding the best. This herd won 5 firsts and 3 seconds at Dallas Fair 1901. JOHN W. STEWART, Jr., Sherman, Texas.

RICHARDSON HERD POLAND CHINAS. Herd headed by the great Guy Wilkes 2nd, Jr., 2057, assisted by Texas Chief. Pigs for sale of the most fashionable strains. Satisfaction guaranteed. Correspondence solicited. J. W. FLOYD, Richardson, Dallas County, Texas.

BIG SPRING CHINA FARM. Best equipped hog ranch in North Texas. Poland China from the most noted sows and greatest boars. Up-to-date breeding. Pigs furnished not related and bred sows at reasonable prices. Write us. FLOYD BROS., Richardson, Tex.

DURQC JERSEY. TOM FRAZIER MORGAN, BOSQUE county, Texas. Durqc Jersey Pigs. Choice registered; now ready to ship. When writing to advertisers please mention The Journal.

J. STECKLER SEED CO., LTD., NEW ORLEANS, LA. Southern Seeds are the Best. Everything for Garden, Field and Farm. Ready to deliver. Creole Onion Seed, very scarce, order early. Cabbage, Turnips, Beets, Lettuce, etc.

SECURITY GALL CURE. CURES Sore Shoulders on Horses and Mules while they are working. Guaranteed. Feed our Stock Food. It will make you money. Ask local dealer, or write us. SECURITY STOCK FOOD CO., Minneapolis, Minn.

Atlantic Rye Whisky. We ship in plain boxes. FOUR FULL QUARTS, \$3.15. Express Paid, FREE with every order. One sample bottle. Royal Cocktail, one sample bottle. Choice Blackberry, one Glided Whiskey Glass and one sample bottle. We also have this brand in the eight-year-old, which we ship in cases, prepaid. Four Full Quarts for \$5.00. FREE with every order. One sample bottle. Royal Cocktail, one sample bottle. Choice Blackberry, one Glided Whiskey Glass and one sample bottle. We also have this brand in the eight-year-old, which we ship in cases, prepaid. Four Full Quarts for \$5.00. FREE with every order. One sample bottle. Royal Cocktail, one sample bottle. Choice Blackberry, one Glided Whiskey Glass and one sample bottle. We also have this brand in the eight-year-old, which we ship in cases, prepaid. Four Full Quarts for \$5.00. FREE with every order. One sample bottle. Royal Cocktail, one sample bottle. Choice Blackberry, one Glided Whiskey Glass and one sample bottle. 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In the mountains of Tennessee, 2500 feet above sea level.

COOL NIGHTS!  
PURE FRESH AIR!  
MINERAL WATERS!

Monteagle, Lookout Mountain,  
East Brook Springs, Monte Sano,  
Estill Springs, Nicholson Springs,  
Beersheba Springs, Fernvale Springs,  
Kingsport Springs, Bon Aqua Springs,

And many other favorably-known  
Summer Resorts located on  
**NASHVILLE, CHATTANOOGA AND  
ST. LOUIS RAILWAY.**  
Send for elegantly illustrated Pamphlet  
describing above resorts.

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**ONE FARE PLUS TWO DOLLARS**  
is rate offered by

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DINING CAR SERVICE

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## SUMMER EXCURSION TICKETS

NOW ON SALE

VIA

**Houston and  
Texas Central Railroad**

TO POINTS IN

Alabama	Iowa	Michigan	North Carolina
Arkansas	Kentucky	Mississippi	South Carolina
Colorado	Maryland	New Mexico	Tennessee
Georgia	Massachusetts	New York	Virginia
		Wisconsin	

**TRY CLOUDCROFT, N. M.,**

8000 feet above sea level. It's delightfully cool. Or you might TAKE A TRIP  
TO NEW YORK via Houston, New Orleans and Crowley Line.

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**HOUSTON, TEXAS.**

## Another Thru Train to Kool Colorado

BEGINNING JULY FIRST, WE SHALL HAVE TWO THRU TRAINS TO  
COLORADO EACH DAY.

One will leave Fort Worth at 9:45 A. M., the other 11:20 P. M., after the ar-  
rival of all evening connections.  
For guests who wish to retire early, a sleeping car will be ready each evening  
at 9 o'clock.

Both trains will be run thru to Denver. Each will carry thru coaches and  
sleeping cars, and meals will be served, en route, in safe dining cars.  
The thru double the thru train service to Colorado from this territory, there  
is still "Only One Road" which has any at all. We have also the only direct Colo-  
rado line; make the best time, and haul very nearly everybody who goes. And,  
using our line, "You Don't Have to Apologize," you know.

## "THE DENVER ROAD"

PASSENGER DEPARTMENT. FORT WORTH, TEXAS.

N. B.—The rate, from all Texas points, is one fare plus two dollars for the round  
trip, good, returning, till October 31, on sale all summer, every day. Tickets routed  
over our line have more stop-over privileges than any other road can offer, too.

**RATES' WAY DOWN**  
TO  
**CHICAGO, KANSAS CITY**

And all Resorts in Colorado, Michi-  
gan, Wisconsin, Minnesota,  
New York, Canada and  
Pennsylvania.

LONG LIMIT

THROUGH SLEEPERS TO DENVER AND CHICAGO.

**W. E. WIRTH, G. P. & T. A. C. R. L. & T. E. Y.** FORT WORTH, TEXAS

## MARKETS

FORT WORTH.

(Reported by the National Live Stock  
Commission Company.)

Fort Worth, Tex., Aug. 25.—The  
northern market the past week in cat-  
tle showed a continuous decline in  
prices, ranging from 25c to 30c.

As we have repeatedly stated, we sel-  
dom secure a straight, smooth load of  
young cows weighing over 800 pounds,  
and we know that lots of stuff that  
goes by could be sold to advantage in  
this market. We had a liberal supply  
of cows on our market the past week  
but only a few of them could be classed  
as good butcher stuff, and the good  
ones had ready sale but there was  
little demand for common except at  
canner prices.

The market appears to be unsettled

**A SURE CURE FREE**  
**PEN-INE**  
Will positively cure  
BEDWETTING  
and all forms of  
URINARY and Bladder  
Weakness in man, woman or child. 50,000 cured.  
A package of this remarkable discovery also book  
with full information and 1,000 testimonials will  
be mailed absolutely free to all who write for it.  
**MISSOURI REMEDY CO., Dept. 25, St. Louis, Mo.**

### CHEAP-SETTLERS' RATES TO THE FAR WEST AND NORTHWEST.

The Burlington Route renews the low  
one-way Settlers' rate of \$25.00 from Mis-  
souri River to California, Portland and  
the Puget Sound country every day dur-  
ing September and October, with corre-  
spondingly low rates to the Spokane dis-  
trict and the Butte-Heleena district; also  
proportionate rates from interior Mis-  
souri, Kansas and Southwest territory.  
"The Burlington Northern Pacific Ex-  
press" is the great through train leaving  
Kansas City daily for the Northwest.  
Through Coaches, Chair Cars (seats free),  
Standard and Tourist Sleepers to Butte,  
Heleena, Spokane, Tacoma, Seattle, Port-  
land. Connecting train from Denver at  
night joining this Northwest train at  
Alliance, Neb.

VISIT THE OLD HOME—EAST.

Home visitors' excursions to points in  
Ohio and Indiana; dates of sale Septem-  
ber 2, 9, 16 and 23. Limit 30 days.  
Also excursion rates to Ohio and Indi-  
ana during the first week of October at  
the time of the big Grand Army reunion  
in Washington, D. C.

TO CHICAGO—The Burlington's fa-  
mous "Eli" is the best known and most  
popular train from Kansas City and St.  
Joseph to Chicago.

TO ST. LOUIS—Two daily trains car-  
rying all classes of standard Burlington  
equipment.

HOMESEEKERS' EXCURSIONS.

On the first and third Tuesdays of  
August, September and October, to many  
sections of the West and Northwest.

Consult nearest ticket agent or write  
the undersigned for full information,  
printed matter and the least cost of your  
proposed trip.

**O. W. ANDREWS,** **L. W. WAKELEY,**  
T.P.A., 309 Scullard Bldg. Gen'l Pass. Agt.,  
Dallas, Texas. St. Louis, Mo.  
**O. M. LEVEY,**  
General Manager,  
St. Louis, Mo.

and we have advised all of our custo-  
mers to be very careful in purchasing  
until it settles. The usual quietness  
prevailed at the close of the market  
Saturday with sales in harmony with  
the conditions, and were on a basis of  
the decline of 25c to 30c since the first  
part of the week.

We are prepared to assist financially  
in feeding operations this fall, and have  
unexcelled service to offer at all mar-  
kets. We have continued to make good  
sales in everything desirable in feeder  
sters. They will sell here on the open  
market, at from \$2.60 to \$3.25, depend-  
ing on breeding, age and flesh.

Prices on hogs Monday and Tuesday  
were even lower than the week pre-  
vious, but on Thursday and Friday the  
prices advanced about 10c to 20c, on  
Saturday, however, there was a de-  
cline of 5c to 10c. Tops at Kansas City  
quoted at \$7.25, St. Louis \$7.70.

Our quotations for the week:

Choice fat steers \$3.75@4.00, medium  
weight fed steers \$3.00@3.75; good grass  
steers, \$3.00@3.25; light thin steers,  
\$2.50@3.00; choice heavy cows, \$2.50@  
2.75; medium butcher cows, \$2.00@2.50;  
light thin cows, \$1.50@2.00. Bulls, stags  
and oxen, \$1.50@2.25. Yearlings, good  
and stockers, very little demand.

Choice sorted hogs, 200 pounds and  
up, \$6.65@6.90, fat smooth, medium  
weights \$6.50@6.65, mixed 6.35@6.50,  
stockers and feeders \$5.00@5.50.

Northern market by wire this morn-  
ing shows receipts heavy. Cattle steady.  
Hogs 10c higher.

DALLAS.

(Reported by the National Live Stock  
Commission Company.)

Dallas, Tex., Aug. 25.—Following the  
previous week's heavy receipts at this  
market, last week's liberal arrivals  
were a little too much even for the  
present extensive demands unless the  
quality had been better. The buyers  
were pretty well filled up on the mid-  
dle grades and wanted something  
good. Values ruled lower on the thin  
half fat stuff, while good butcher cows  
and heifers were steady and sold readi-  
ly at \$2.75@3.00. The bull market has  
remained about steady, selling at  
\$1.50@2.00, and demand good. Choice  
fed steers will sell at \$3.60@4.00; good  
grass steers at \$2.75@3.00. Good veal  
calves have held about steady with  
tops at \$3.50. The calf supply was light  
and demand better than it has been at  
any time this season. Several loads  
could be disposed of readily to good  
advantage. The Northern—markets  
collapsed under a heavy run of cattle  
last week, closing with heavy declines  
on all grades of stuff, while our mar-  
ket still holds steady with demand ex-  
tremely good for the best stuff. Conditions  
certainly warrant a maintenance of  
present prices, with a strong active  
market this week.

A moderate supply of hogs was on  
sale, the average quality of which was  
not very good. Values strengthened  
gradually, closing 20 to 25 cents higher  
than Monday's opening. There were  
no strictly good hogs on sale, the  
best sold at \$6.70. Our market is great-  
ly in need of more hogs, and would be  
glad to hear from shippers if they have  
anything ready to go any time soon.  
Choice heavy hogs will sell at \$6.85@  
7.00. Under moderate supplies there  
has been no change in the sheep mar-  
ket. Demand still continues good at  
prices quoted. Quotations as follows:  
Prime steers, 900 lbs. up, \$3.25@4.00;  
choice steers, 700 lbs. up, \$2.75@3.25;  
choice cows, 800 lbs. up, \$2.50@3.00;  
choice heifers, \$2.25@2.75; medium fat  
cows, \$2.00@2.50; choice mutton, \$3.00@  
3.25; bulls, \$1.50@2.00; sorted hogs, 200  
lbs. up, \$6.85@7.00; choice hogs, 170 lbs.  
up, \$6.50@6.75; mixed packers, 150 lbs.  
up, \$6.25@6.50; rough heavies, \$6.00@  
6.25; light fat hogs, \$5.50@5.90.

KANSAS CITY.

Kansas City, Mo., Aug. 25.—Cattle  
receipts 8000 natives, 7000 Texans;  
calves 400 Texans and 200 natives;  
market steady to strong; choice export  
and dressed beef steers \$7.35@8.10,  
fair to good \$6.25@6.70, stockers and  
feeders \$2.50@3.50, western fed steers  
\$4.50@5.75, Texas and Indian steers  
\$2.75@4.25, Texas cows \$2.30@3.00, na-  
tive cows and heifers \$2.25@3.50, can-  
ner 1.75@2.75, \$1.25@2.25, bulls \$2.50@  
3.40, calves \$2.50@3.25.

Hogs, receipts 1275 head; market  
15c higher; heavy \$7.20@7.35, light  
\$7.05@7.27 1/2, pigs \$6.25@7.00.

Sheep, receipts 10,400 head; market  
steady to 10c higher; native lambs  
\$3.20@3.50, western lambs \$3.00@3.50,  
native wethers \$3.40@4.40, western  
wethers \$2.90@3.95, red ewes \$3.35@  
4.15, Texas clipped yearlings \$3.00@  
3.25, Texas clipped sheep \$2.90@3.10,  
stockers and feeders \$3.30@3.90.

CHICAGO.

Chicago, Ill., Aug. 25.—Cattle re-  
ceipts 19,000 head, including 11,000  
westerns; market strong, good to  
prime steers \$8.00@8.75, poor to med-  
ium \$4.00@7.25, stockers and feeders  
\$1.25@5.50, cows \$1.50@5.50, heifers  
\$2.50@6.00, canners, \$1.50@2.50, bulls  
\$2.25@5.25, calves \$2.75@7.00, Texas fed  
steers \$3.00@5.00, western steers \$1.00@  
5.00.

Hog receipts 22,000 head; market  
10@15c higher; good to choice heavy  
\$7.40@7.72 1/2, light \$6.90@7.50, bulk  
\$7.10@7.35.

Sheep receipts 26,000 head; market  
steady; good to choice wethers \$3.50@  
4.00, fair to choice mixed \$2.50@3.75,  
western sheep \$2.80@3.85, lambs \$3.50@  
6.00, western lambs \$4.50@5.75.

ST. LOUIS.

St. Louis, Mo., Aug. 25.—Cattle re-  
ceipts 6000 head, including 4500 Tex-  
ans; market dull; native shipping and  
export steers \$4.00@5.00, dressed beef  
and butchers' steers \$4.25@7.30, steers  
under 1000 pounds \$2.70@4.35; stockers  
and feeders \$2.50@5.00, cows and heifers  
\$2.25@5.50, canners \$1.75@2.75,  
bulls \$2.00@3.75, calves \$4.00@7.00,  
Texas and Indian \$2.75@5.90, cows and  
heifers \$2.50@3.75.

Hog receipts 2600 head; market  
10c

higher, pigs and lights \$6.80@7.35,  
packers \$7.15@7.55, butchers' \$7.35@  
7.75.  
Sheep receipts 2000 head; market  
steady; native muttons \$2.40@4.50,  
lambs \$4.25@5.90, culis and bucks \$2.50  
@4.50, stockers \$1.10@2.40, Texans  
\$1.00@2.90.

GALVESTON.

(Reported by The A. P. Noman Live  
Stock Company.)

Galveston, Tex., Aug. 25.—The de-  
mand for all classes of cattle and  
calves continues fair with an increas-  
ing consumption. Prices firm.

Quotations: Beeves, good to choice,  
\$3.00@3.25; common to fair, \$2.50@3.25.  
Cows, good to choice, \$2.50@3.00; com-  
mon to fair, \$2.00@2.25. Yearlings, good  
to choice, \$3.00@3.25; common to fair,  
\$2.50@2.75. Calves, good to choice, \$2.50  
@3.75; common to fair, \$2.75@3.25.

NEW ORLEANS.

(Reported by The New Orleans Live  
Stock Exchange.)

The weekly market letter to the Jour-  
nal from Secretary Alfred N. Isaacson  
of the New Orleans Live Stock ex-  
change, reports that receipts of de-  
sirable steers the past week have been  
light, selling readily at quotations. Fat  
cows have been in moderate supply,  
and fair demand; the market closing  
about bare of real good steers and cows.  
Calves and yearlings have been in full  
supply, and in excess of demand; trad-  
ing slow. Market closes with an ample  
supply on sale, cannot encourage ship-  
ments. Medium Miss. and Ala. cat-  
tle, large and small, selling very slow  
at quotations.

Corn fed hogs scarce, retailing at  
quotations. Sheep in light supply;  
butchers supplied at present.

Quotations:  
Beeves. Choice, Texas, \$4.00@4.50;  
fair to good, Texas, \$3.25@3.75. Cows  
and heifers. Choice, Texas, \$3.00@3.50;  
fair to good, Texas, \$2.50@3.00. Year-  
lings. Choice, Texas, \$3.00@3.50; fair  
to good, Texas, \$2.50@3.00. Calves.  
Choice, Texas, \$3.50@4.00; fair to good,  
Texas, \$3.00@3.50. Bulls and stags.  
Choice, Texas, \$2.80@3.00; fair to good,  
Texas, \$2.25@2.50. Hogs. Choice corn  
fed, \$6.50@7.00; must fed, \$2.50@4.00.  
Sheep, choice, \$4.00@4.50; fair to good,  
\$1.00@1.50. Milch cows. Choice, \$40.00  
@50.00; fair to good, \$20.00@30.00.  
Springers, choice, \$20.00@30.00; fair to  
good, \$15.00@20.00.

PRODUCE MARKET.

Dallas, Tex., Aug. 25.—The prices of-  
fered are those charged by buyers on  
orders, and are 25c per cent higher  
than are paid by dealers or growers.

Quotations:  
Cabbages, per pound, 2c.  
New potatoes, Kansas stock, 60c;  
California stock, 55c.  
Rhubarb, per pound, 5@6c.  
Tomatoes, Texas, 4-basket crates,  
6c.  
Beets, per dozen bunches, 30c.  
Radishes, per dozen bunches, 30c.  
Onions, per pound, Texas stock, 2c;  
California stock, 2 1/2c.  
Beans, 67@75c for one-third bushel.  
Lettuce, home grown, 20@30c per  
dozen.  
Green corn, per dozen, 10c.  
Live Poultry—Chickens, per doz., old  
hens, \$3.25@3.50; broilers \$1.50@2.00;  
large fryers, \$3.00@3.50; springs, \$2.50@  
3.50.  
Ducks, no demand.  
Eggs, country, 12@15c per doz.  
Creamery butter, 20@25c; country  
butter, per lb., 15@18c.

FRUIT MARKET.

Dallas, Aug. 25.  
Oranges, per crate, \$4.00  
Peaches, 1/2-bushel box, 20@30c  
Plums, crate, 75c@1.00  
New apples, bbl., \$3.50@4.00  
Blackberries, cats, \$1.25@1.50  
Apples, Arkansas stock, bbl., \$4.00

COTTON MARKET.

Dallas, Aug. 25.—Spot cotton firm and  
slightly lower.  
Low ordinary ..... 6 1/2  
Ordinary ..... 7  
Good ordinary ..... 7 1/2  
Low middling ..... 8 1/2  
Middling ..... 8 7/8  
Good middling ..... 9 1/2  
Middling afloat ..... 9 15/16

GRAIN MARKET.

Dallas, Tex., Aug. 25.  
Wheat—70c.  
Carload lots—Dealers charge from  
stores, 5@10c per pound on bran, 2@  
3c per bushel on oats and corn and 10@  
15c per 1700 pounds on hay.  
Bran—90c.  
Chopped corn—Per 100 pounds, \$1.40  
Corn—Per bushel, shelled, 82c.  
Oats—Per bushel, 60c.  
Hay—Prairie \$12.00@16.00; Johnson  
grass, \$12.00@15.00  
Grain bags, bale lots—Five bushel  
oat bags, 2 1/2c; 2-bushel corn bags,  
6c.

WOOL AND HIDE MARKET.

Dallas, Tex., Aug. 25.—Dry flint beef  
hides, 16 pounds and up, 18c.  
Dry sale hides, 10c.  
Green salt hides, 0 pounds and up,  
7@7 1/2c.

F. W. AXTELL,

400 W. Weatherford St., Fort Worth, Texas.  
MANUFACTURER  
CYPRESS TANKS, TUBS AND TROUGHES.  
Steel, Ball Valve and Cook Patterns Working  
Berds. Working Heads and Stamping Boxes.  
PERFECTION FLOAT VALVES.  
Also Wholesale and Retail Dealer in  
MONITOR AND ECLIPSE WINDMILLS.  
Well Casings, Pipe, Fittings, etc.  
Webster Gasoline Engines  
5 1/2 to 12 H. P.

Malleable Legs on all Tanks.



Green salt hides, under 40 pounds,  
packers \$7.15@7.55, butchers' \$7.35@  
7.75.  
Dead green hides, 40 pounds and up,  
7 1/2; under 40 pounds, 6c.  
Bright medium wool, 12 months' oil,  
14c.  
Heavy and fine wool, 7@9c.

Fortify the body to resist malarial  
germs by putting the system in perfect  
order. Prickly Ash Bitters is a won-  
derful system regulator.

## THE HORSE.

Alfalfa has many friends among  
horse raisers. A Colorado ranchman  
living in one of the valleys near Den-  
ver says: "For more than 15 years I  
have had experience in raising horses  
from birth to sale, from youth to age,  
on alfalfa pasture and hay, except  
maybe giving them some variety in  
winter, consisting of corn fodder and  
straw. All animals and men like a  
variety in diet. I feed no grain except  
to teams in harness and my horses are  
noted for their size, strength and beau-  
ty. I sold two Percheron colts in  
March, three and four years old,  
weighing 1700 and 1800 pounds, that did  
not know the taste of grain. I have  
wintered horses from the city, as many  
as 25 at a time, exclusively on alfalfa  
to the perfect satisfaction of the own-  
ers. I have never noticed nor known  
any injurious effect from well cured,  
good hay, cut at first bloom."

COLTS IN THE FALL.—Reversal of  
the regular order of things is some-  
times beneficial. This observation ap-  
plies with as much force to stock rais-  
ing as to any other industry. It is us-  
ual for the colt to be ushered into ex-  
istence in the spring or summer, but  
many good farmers have decided that  
fall is the best time for the youngster  
to make his advent into the world.  
With regard to this subject F. H. Lowe  
writes:

I was induced to try the upside  
down plan of colt breeding some short  
time ago and would like to induce some  
of my brother farmers to do likewise.  
When one goes contrary to natural  
laws one must guard against and make  
other conditions as nearly natural as  
possible. First, one must have a warm,  
well ventilated stable and then you  
have the first and almost the last el-  
ement of success. I bred a mare in  
the fall of 1900 and she foaled in No-  
vember, 1901. The mare was worked all  
summer and fall, helping with the  
threshing. After she foaled she did very  
little but nurse the colt. I saw she  
had lots of clean bedding for herself  
and colt, with a liberal amount of bran  
in her oats, to produce milk flow. The  
colt grew nicely and is now quite as  
large as a yearling and ready to go  
out on a summer's grass and make rap-  
id growth. It had no fly time when  
young and is not frightened by man  
or beast. I believe it will make a bet-  
ter horse when mature than one born  
outside and with the summer in which  
to run wild. The mare worked all  
through seeding and was bred for an-  
other fall colt. Some people said that  
the colt would shed his hair in the fall  
instead of the spring, but he followed  
the natural way this spring and is now  
nice and clean with his permanent col-  
or. I would not advise breeding a mare  
that is a poor milker this way, but a  
good mother may be bred every year  
and do her field work without so much  
drag on her as when she is bred for  
spring foaling. Then the colt goes from  
the mother to grass, gets a grand  
growth through the summer season  
and 's well able to stand his first win-  
ter.

Keep the body healthy at this season  
by using Prickly Ash Bitters. It is a  
necessary condition to successfully re-  
sist malarial germs.

ONLY \$25.00 TO CALIFORNIA.

The Southern Pacific has again  
opened the doors to cheap travel from  
Texas points to California. During  
the months of September and October,  
one way second-class tickets will be  
on sale from all main line points on  
the Houston and Texas Central rail-  
road and Southern Pacific, a rate of  
\$25.00, except from stations east of  
Houston, from which points rate is  
made by adding local fare to Houston  
rate, and from Galveston where the  
rate will be \$26.45.

These tickets give stop-overs at Cali-  
fornia points, and offer a splendid  
means of making a trip to California  
at lower rates than ever. Consult your  
local ticket agent or write for litera-  
ture and other information.

T. J. ANDERSON, A. G. P. A.,  
M. L. ROBBINS, G. P. & T. A.,  
Houston, Texas.

Large tracts of grazing land in the  
vicinity of Fort Davis, Tex., have been  
inundated by the recent rains. Fine  
fall and winter grazing are, however,  
assured, and the cattlemen are corre-  
spondingly elated.

A DAY ON A PARLOR CAFE CAR FOR  
50 CENTS.

You can ride all day on a Cotton Belt  
Parlor Cafe Car for only fifty cents ex-  
tra; have your meals at any hour you  
want them, order anything you want,  
from a porthouse steak or a sizzling  
chicken down to a sandwich; take as long  
as you please to eat it, and you will only  
have to pay for what you order.

## NEW I. & G. N. TOWNS.

HUFSMITH, Montgomery County;  
MELTON, Harris County;  
STONEHAM, Grimes County.

Situated between Navasota and Houston in the Midst of the  
FRUIT, TRUCK, FARMING AND TIMBER LANDS

Along the new Ft. Worth Division of International & Great Northern Ry.  
There will be a GRAND BARBECUE at Melton and TOWN LOT  
SALE at each of these New Towns on

**Thursday, September 4th,**  
By the Smith Land and Improvement Co.

TERMS OF SALE—One third cash, balance one and two years at 8 per cent interest.  
Don't fail to attend this great sale—a splendid opportunity for investment. The I. & G.  
N. will have very low excursion rates in effect to Hufsmith, Melton and Stoneham for  
this event and will operate trains to suit the convenience of the people attending sale at  
all three points same day. Tickets will be on sale for trains arriving September 4. See  
Flyer or call on I. & G. N. agents for further particulars.

L. TRICE, M. V. P. & Gen'l Mgr. D. J. PRICE, Gen'l Pass. & Tkt. Agt.  
PALESTINE, TEXAS.

## Wabash Route FOLLOW THE FLAG

TO  
New York, Boston, Buf-  
falo, Niagara Falls, Detroit,



Chicago and all Eastern  
Cities.

The shortest and only line from Kansas City or St. Louis running over  
its own tracks to Niagara Falls or Buffalo. Time and equipment unexcelled.

THREE SOLID FAST THROUGH TRAINS DAILY.



## THE TWIN TERRITORIES

Professor E. E. Bogue, formerly professor of botany and entomology in the Oklahoma Agricultural and Mechanical College, has been elected to the chair of forestry recently established in the Michigan Agricultural College.

The culture of ginseng was attempted at the Agricultural Experiment Station at Stillwater last spring. The plant requires a moist soil and climate and plenty of shade. This season has been as close to that description as an Oklahoma spring is liable to be. The plant selected for the work is in the north side of a grove of shade trees and the soil was placed in the very best condition for the crop. Good germinated seeds were planted April 4th, 1902, and in due time a good stand of young plants came up. The bed was mulched and given all the attention and care that could improve the conditions sur-

## SAN ANTONIO INTERNATIONAL FAIR

OPENS OCTOBER 18,  
Closes October 29, 1902.

**\$500 REWARD**  
Will be paid for any case of epilepsy, dizziness, vertigo, loss of memory, nervous debility, general weakness, or any other ailment which I fail to cure. This offer is backed by \$25,000 worth of real estate owned by me in Houston, Texas. Consultation and advice free and confidential. Send for symptom blank. DR. W. H. HOLLAND, 1019 Congress St., Houston, Tex.

**Scott & March**  
BELTON, MO.  
Breeders of

**Hereford Cattle.**  
YOUNG STOCK FOR SALE AT ALL TIMES.

**"Sunny Slope Herefords."**  
150 bulls from 6 to 30 months old, 100 yearling heifers, 60 cows from 2 to 8 years old. I will make very low prices on any of the above cattle if taken at once.

C. A. STANNARD, EMPORIA, KANSAS.

REGISTERED  
**HEREFORDS**  
100 head in herd Young stock for sale.  
GUDGELL & SIMPSON  
INDEPENDENCE, MO.

**RUPTURE OF PILES**  
CURED QUICKLY, SAFELY  
WITHOUT THE KNIFE.  
Fistula, Hemorrhoids, Stricture, etc.  
Pamphlets of testimonials free.  
DR. DICKEY & DICKEY, 1123 Bldg., Dallas, Tex.

**\$3.00 WE PAY THE FREIGHT \$3.00**  
And deliver anywhere in the United States 4 full quart bottles of the celebrated  
**CANEY CREEK WHISKEY**  
Upon receipt of THREE DOLLARS cash or money order. Satisfaction guaranteed or money refunded. Refer you to any bank or merchant. Established in 1881.  
**H. BRANN & CO.,** Wholesale Liquor Dealers,  
FORT WORTH, TEXAS.

**A Prime Favorite**  
The Dandy Windmill is the favorite, not altogether because it is made and sold by reliable people, but rather because of its intrinsic merit and its unparalleled record.  
Reliable dealers handle it because they cannot afford to recommend machinery—especially of this kind—which does not give uniform and permanent satisfaction.  
Strongest and simplest—Hence MOST DURABLE.  
Send us your name and we will send you the proof and prices. Your inquiry will have prompt and painstaking attention.  
**Texas Challenge Windmill Co.,**  
DALLAS, TEXAS.

**Fort Worth Business College**  
TWENTY-FOURTH YEAR  
Attendance large. Positively the only school in Texas that teaches business by doing business. No actives to enter. The leading young men and women of the State attend this school on account of the superiority of the course of study. Over two thousand of Fort Worth's leading business men and women attended this institution. For catalogue address  
**F. P. PREUITT, President,**  
FORT WORTH, TEX.

**ELECTRIC BELT FREE**  
Great Electro-Chemic Belt  
Why is a sorrowful Weak Man when this Electro-Chemic Belt will restore you to health and happiness? This great free offer is made to you and it holds good for a few days only, so write today.  
Write today—it is yours for the asking without one cent of cost to you. This is no deposit scheme, no 30 days' trial scheme, no scheme of any kind to get your money out of you. You simply send us your name and we send you the Belt. It is yours to keep forever, and we under no circumstances ask for or accept any money for it either now or in the future. This is a plain, simple, positive statement of fact. We guarantee the Best Electric Belt made. A few minutes' trial will prove to you its power, a week's wearing of it will restore strength and manly vigor that alone makes life worth living. All forms of NERVOUS, SEXUAL, URINARY, KIDNEY AND LIVER DISEASES, such as impotency, varicocele, spermatorrhoea, conditions from abuse, etc., yield at once to its magic influence. We give away only a limited number of these belts. It will cure you when your friends will wait one, and from those sales we will make our profit. Write today in confidence, enclosing all about your case, naming this paper, and the Belt will be sent you free at once.  
NEILOBERG MEDICAL INSTITUTE, Cor. Fifth & Robert Streets, St. Paul, Minn.

rounding the plants. One June 25th most of the plants showed lack of vigor and on July 22nd all were dead.

The government has decided in favor of Miss Minnie Lawson of Westfield, Wis., in the land contest case, by which she becomes the legal claimant to a valuable homestead in Canadian county, Oklahoma. She arrived recently from Wisconsin, only to ascertain her contestant to be A. H. Beam, a sweetheart of former years and an acquaintance of thirty years. The government held Beam had used his right to homestead entry in Dakota several years ago. Miss Lawson immediately filed on the claim, renewed the old friendship with Beam and they are to be married on Christmas day.

While traveling in Woodward county investigating the loco disease of cattle the veterinarian of the Oklahoma Experiment Station procured from a stockman a sample of a sure cure for black leg in cattle which he had obtained from a traveling "veterinarian." The material was analyzed and found to be corrosive sublimate, a very poisonous chemical, which is dangerous to have around at any time and doubly so in the guise of a mysterious cure for a disease. The stockman in this case knew that the only treatment for black leg was preventive vaccination with vaccine properly prepared and procured from reliable sources. It is of course impossible to estimate the damage caused by irresponsible persons of which this "veterinarian" is a type. The experiment station at Stillwater makes every effort to acquaint farmers with new things that may be of benefit to them and an inquiry in doubtful cases will always bring a prompt reply giving the facts in so far as the station can determine them. The mysterious is always to be distrusted.

Application has been filed in the Supreme Court at Washington for an injunction to restrain Secretary Hitchcock and other interior department officials from compelling cattle owners to pay the fee of 25 cents imposed by the Chickasaw Nation for each head of stock not belonging to a member of the tribe grazing on their lands and restraining the officials from selling the cattle now grazing on the Indian lands in violation of the act of the Chickasaw legislature. Justice Claybaugh granted a temporary writ and ordered Secretary Hitchcock to appear Sept. 15, and show cause why a permanent injunction should not be issued. It is contended in the petition that Secretary Hitchcock is only a ministerial officer and that he has no authority to undertake the enforcement of a law of the Chickasaw Nation. The petitioners are William G. Maxwell and Phillip G. Witherspoon of Gainesville, Tex.; Isaac H. Harness, Thomas Percy, R. L. Glover and Milton F. Ikard of Chickasha; I. M. Keys of Kansas City, and J. B. Spragins of Ardmore, I. T. They allege that they represent many

other petitioners, and that all told the owners of more than 100,000 head of live stock are interested in the litigation.

## NEW MEXICO

The Red River Cattle Company has bought 200 Hereford bulls from a Nebraska breeder. They will be placed on its ranges in Colfax and Socorro counties.

Solomon Luna, politician and sheepman of Bernalillo county, N. M., has received 20,000 sheep at Roswell, which he recently purchased of the Jaffra-Prager Company.

Stock thieves seem to be operating all over Northern and Eastern New Mexico. The Colfax County Stockman advocates the organization of vigilance committees.

Sheep growers did remarkably well this year in New Mexico. In the vicinity of Santa Rosa the clip will reach an aggregate of 5,000,000 pounds. The wool is of the best grade and the majority of it is shipped direct to Boston. Some of it, however, goes to Philadelphia.

The Fleming Cattle Company, with headquarters at Silver City, N. M., has disposed of its cattle, 2000 in number, together with its ranches on Arroyo Mangus, in Grant county. A corporation composed of Horace Hooker, John Burnside and Charles Nelson made the purchase at figures which are not made public.

The San Simon Cattle Company has been organized under the name of the Merchants Live Stock Company, with headquarters at Carlsbad, N. M. C. W. Merchant of Abilene, Texas; J. D. Merchant and L. E. Merchant of Carlsbad, N. M., being the incorporators. The capital stock is \$150,000.

A feature of the New Mexico territorial fair at Albuquerque this fall will be a roping contest between Sheriff Tom Hubbell of Bernalillo county and Cleo Stewart, sheriff of Eddy county. Sheriff Fred Higgins of Chaves county is also reported as having signified his intention of entering the contest. Each of these sheriffs is an old hand at roping and has spent a great portion of his life in the cow business.

Thomas Wedgewood of Sierra county has a goat which probably cost more than any goat ever brought to New Mexico. Oregon Lad is his name. He cost \$1000 and came from Oregon. He is a royal bred and at his last shearing showed a fleece of mohair twelve inches in length. Mr. Wedgewood has twenty other thoroughbred Angoras and is building large corrals at the headquarters of the Rio Percha del Sur.

## Chips of Experience

**A GENERAL PURPOSE BARN.**  
Much has been heard about the dual purpose cows; but the prevailing impression among well informed dairymen is that she is something of a myth. Little has been heard about the general purpose barn, which is considerably more practicable and decidedly more of a success. Directions for obtaining the best results in the construction of such a building are given by Mr. W. C. Latta of Purdue University, La Fayette, Ind.

Mr. Latta asserts that from a business standpoint the barn is the most important building on the farm, because if well planned and properly constructed it will add greatly to the earning capacity of the farm.

While there are some reasons for separate buildings for horses, cattle, implements and grain, both economy and convenience are secured by putting barns together in a general purpose barn. A combination barn may seem simple enough, at first, but it really calls for a complex structure and requires very careful study and planning if all the essential and desirable features of an ideal barn are to be secured.

Among the important characteristics may be named the following: The barn should

1. Be sanitary, which includes drainage, light and ventilation.
2. Be convenient, which requires the placing near each other of the parts most frequently visited by the feed, water and grain in such relations as will save steps and reduce labor.
3. Provide for the comfort and safety of the live stock with as little restraint as may be.
4. Give easy access to implements and vehicles from horse stable.
5. Place engine and mill rooms in right relations to each other and to grain to be ground.
6. Provide for the complete saving of both liquid and solid manure and the economical handling of the same.
7. Be as economical in construction as is consistent with stanchness and above mentioned.

Beginning with the basement there should be a tile drain under the foundation wall and another extending around the floor to insure dryness.

The milch cows, except at milking time, can have the freedom of a covered yard, directly under the horse stable, where they may find water and roughage at pleasure. If only dry stock is to be kept stalls could be placed in the other side. In such case there would need to be a cross passage for the cows at the right of the wing, thus doubling the capacity of the covered yard. If only a few milch cows are to be kept they might occupy the stalls opposite to the wing, leaving the space to the right for more loose cattle.

Two stails and a central feed passage leading therefrom are advised, the stails being anchored to the barn to insure stability.

The old bin and a small corn crib are in juxtaposition with the mill room on the second floor. The ground feed will drop through spouts directly into the feed passage below and the oats and wheat can be "spouted" into the wagon when standing in the manure passage beneath. Small bins for corn and oats are located near the roomy individual horse stalls. The horses, on being unhitched from implement or vehicle, can pass directly to the water trough and thence to their stalls. By means of a second floor in the silage passage, and a trap door at the end, silage for the horses may be had at pleasure until the level of the silage drops below; when it would be elevated through the same opening in baskets as needed. Implements may be easily and quickly gotten at for use, or run into the shop to be painted or repaired. The space for implements could be made smaller or larger, to suit the needs, by increasing the size of the hay bay on this floor. Indeed the main part of the barn could readily be made longer or shorter without any material change in the internal arrangement. The bridge at the end of the passage between the horse stalls is simply for exit and for safety of horses in case of fire in the opposite side of barn.

The third story would be of such height as would accommodate the rough feed which could be so placed as to drop through chutes where needed.

The proper placing of feeds and chutes in the third story will readily rest itself to the reader.

Nothing has been said about floors. Only one thing is essential: the floors

## Chips of Experience

under all the animals must be water tight. A cement floor in the basement will prove the most perfect, the most sanitary, the most durable and, doubtless, the cheapest in the end.

The floor under the horses would need to be double, with tarred joints and tarred paper between the two layers of boards.

The barn could be made wider so as to accommodate three lines of cattle. This would effect an economy of barn siding but it would be at the expense of light, ventilation and convenience in feeding.

The special ventilating device of Prof. King used in the Wisconsin cattle barn could easily be used with the plan here given. Very good ventilation can be secured, however, by hinging the basement windows at the bottom and having them swing in at the top. In this way the air, on entering would be deflected upward thus avoiding direct drafts on the animals.

Diagrams illustrating the main points of the structure have been prepared and may be obtained, together with copies of the bulletin, by addressing Mr. Latta at Purdue University.

## RICE STRAWS.

The Eagle Lake Rice Company, of Eagle Lake, Texas, with \$300,000 capital stock, has been incorporated by Robert G. West, of Austin; Charles M. Miller, of Texas, and J. S. Odell, of Chicago, Ill.

Sherman Garland, of Louisiana, has bought a section of land fifteen miles from Houston, Texas, which he will plant in rice next season. He paid \$7500 for the land.

Judge George D. Chafee, of Shelbyville, Ill., has bought 212 acres of land in Harris county, Texas, for which he paid \$15,000. This land will be put in rice next year.

Seguin, Tex., is to have three new irrigation plants. Baker Brothers will put in a 1,500,000 gallon plant. The Seguin Flouring Mill will put up a large plant, and John Nagel will have a plant of a 1,000,000 gallons capacity.

The Riceland Irrigation Company, of Beaumont, Tex., has been chartered, with \$150,000 capital. The incorporators are R. L. Oswald, of Jefferson county, Tex.; W. S. Corbett, Z. R. Ashbaugh and C. A. Walker, of Jackson county, Missouri.

Messrs. S. B. Moody and William Bard, of LaGrange, Ill., and J. E. McDonald, of Portage, Wis., have purchased from Jonathan Lane 2560 acres of rice land, situated in Colorado and Wharton counties; 1250 acres are already in rice cultivation, and next year the whole tract will be planted in rice.

The Matagorda County Rice Planters' Association has been organized at Bay City, Tex., with E. F. Taylor, president; John Dennis, secretary, and G. E. Mayes, corresponding secretary. The object of the association is to control and regulate the water contracts over irrigated sections, to regulate milling charges and to protect the rice growers of that section. There are 40,000 acres of rice planted in Matagorda county, with prospects of a great yield.

The Texas Rice and Development Company, of Houston, Tex., has been chartered, with \$250,000 capital stock. The purpose is to construct and maintain dams, reservoirs, lakes, etc., for the purpose of irrigation, navigation, milling, mining, etc. Incorporators: S. J. Johnson, D. C. Ritchie, A. C. Wilkins, G. W. Haber, Edward Lucas, W. H. Humphreys, W. P. Carey and G. G. Morton, of Jennings, La.; W. C. Moore, of Liberty, Tex.; B. B. Perryman, Houston, Tex., and C. C. Dunson, of Crowley, La.

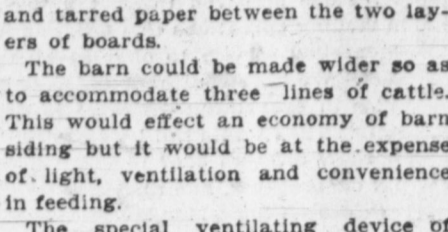
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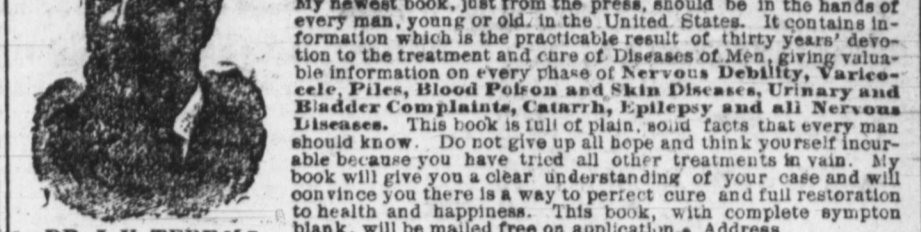
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