M P Hayes

TEXAS FARM AND RANCH

VOL. XIII.—No. 17 DALLAS, TEXAS, APRIL 28, 1894. WEEKLY $1 A YEAR, 5c. a Copy.

YOUR OWN MILLER.

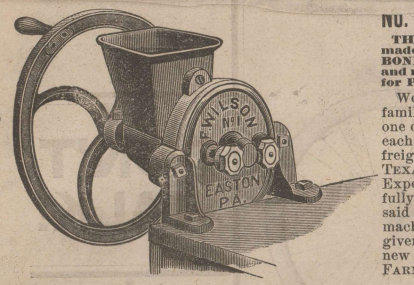
A Grinding-mill for Family Use.



Adjusted by one thumb-screw in a moment to grind from fine flour to hominy. Adapted for grinding corn, wheat, coffee, spices, or grain of any kind for domestic use or feeding purposes. Corn-meal, hominy and Graham flour produced fresh and pure in your own home. Grinds 1 pound of coffee in 1 minute; flour or meal a longer or shorter time, as the mill is set to grind fine or coarse. It has large, chilled-iron burrs, 4½ inches in diameter, which are ground perfectly true. Steel shaft and fly-wheel 20 inches in diameter. Can be quickly fastened to the edge of a table or counter. The workmanship on the mill is first-class, all parts being made to duplicate.

We will furnish this mill and TEXAS FARM AND RANCH one year for $5, receiver pays charges, or we will give it for a club of 7 new subscriptions to TEXAS FARM AND RANCH at one dollar each.

NO. 1 POULTRY MILL



THIS MILL is especially made for Grinding DRY BONES, SHELLS, GRAIN, and many other substances for Poultry.

Weighs 35 pounds. No family is at home without one of these mills. Price, $5 each. Purchaser pays the freight. We use them on TEXAS FARM AND RANCH Experimental Farm and can fully agree with all that is said in favor of these useful machines. This mill will be given as a premium for seven new subscribers to TEXAS FARM AND RANCH at $1 each.

Black Hawk Sheller & Separator.



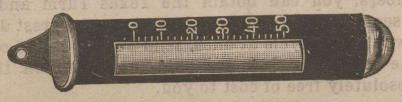
Not a toy, but a machine which does the work, and all a farmer needs for shelling corn for home use.

IT WON'T CHOKE.
SIMPLE IN CONSTRUCTION.
IT IS DURABLE AND CHEAP.

We will furnish this Sheller and TEXAS FARM AND RANCH one year for $3.25, or we will send it f. o. b. Dallas for $3 cash.

I should have acknowledged receipt of the Corn Sheller and Bone Mill purchased from you some time ago. It came all o. k. I have thoroughly tested both, and if I could not get others like them, I would not take one hundred dollars for them. Every poultry fancier ought to own a Bone Mill. I grind all the corn my stock eats. And the Sheller—it is a perfect daisy. Can easily shell a bushel of corn in five minutes.—J. C. COLLINS, Belton, Texas.

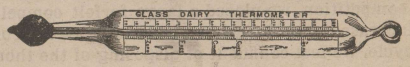
FOWLER'S Improved Cream Tester.



WHY keep a poor cow when you can know her cream value? If she gives less than 10 per cent cream, you lose money by keeping her. **Fowlers's Improved Cream Tester** will tell you her value. Price, 35c. Sent by mail, prepaid, on receipt of price.

TEXAS FARM AND RANCH, Dallas, Texas.

IMPORTED DAIRY THERMOMETER.

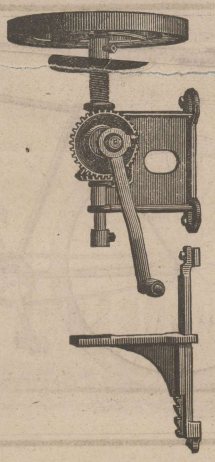


WHY spend hours in churning when you can do it in from five to ten minutes if your cream is of the proper temperature? The only way to determine this is to have a good Dairy Thermometer. You can have the best for 50 cents, or both for 75 cents. TEXAS FARM AND RANCH one year and the Thermometer and Cream Tester for $1.50, postage paid.

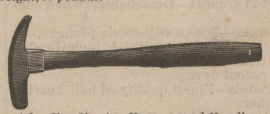
For 10 cents extra this will be sent by registered mail and safe delivery guaranteed. Otherwise it goes at the risk of the purchaser.

"SCIENTIFIC" KIT OF TOOLS.

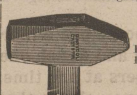
For Farmers, Stockmen, Planters and Mechanics--the Best in the World.



Our Vise is solid and strong. Face, 4¾x9 inches; jaws, 3 inches wide and open 4 inches. Our Drill is not a cheap Bench Drill, but a genuine Blacksmith's Post Drill, with adjustable table. Blacksmith's Drill Press, Hand Feed; weight, 50 pounds.



Adze-Eye Shoeing Hammer and Handle; weight, 9 ounces.



Blacksmith's Hammer.



Blacksmith's Cold Chisel 1½ lbs. Solid cast-steel.

Hot Chisel, 1½ lb.



Blacksmith's Tongs, wrought iron, 18 in.

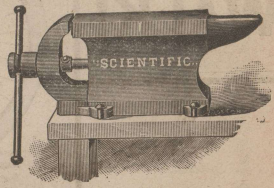


Farrier's Pincers, cast-steel, 12 inches.

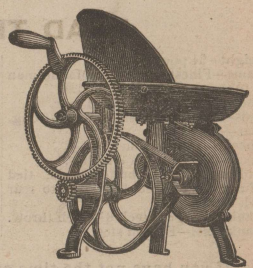
Farrier's Knife, Woostenholm.



Screw Plate, 3 set dies, cut ⅜, ½ and ⅝ inch.



Combination Anvil and Vise, hardened face, finely polished; weighs 50 lbs.



Farmer's Forge No. 5, B, will heat 1½ inch iron. Our Forge is built especially for our kit, 15 inches high to top of bowl, 14 inches in diameter. Fan, 8 inches in diameter; weighs 45 lbs.

Every tool in this list is the best the market affords, and so guaranteed. This kit of tools, freight prepaid to any R. R. depot in the U. S. as a premium for a club of 35 subscribers at $1 each, or for $25 cash.

TEXAS FARM AND RANCH, Dallas, Texas.

TEXAS FARM AND RANCH

Devoted to the interests of Home Builders, and Published Weekly,

BY

Texas Farm and Ranch Publishing Co.

SUBSCRIPTION RATES.

One Copy One Year.....$1 00

ADVERTISING RATES.

Display advertisements are charged for at the rate of THIRTY CENTS per agate line, each insertion. Fourteen solid agate lines make one inch. Special position, 20 per cent extra. Discounts on large space. No advertisements inserted for less than one dollar each insertion.

J. C. BUSH, Special Eastern Representative, Room 59 Times Building, New York, N. Y.

Address all communications to

Texas Farm and Ranch Publishing Co., 343 Main Street, Dallas, Texas.

Entered at the Postoffice, Dallas, Texas, as Second Class Mail Matter.

NOTICE!

No one has authority to contract debts, receipt for money, or enter into any contracts for this Company, unless they can show written authority for doing same, signed by the President or Secretary. We do not accept drafts or orders made on us by canvassers, agents or employes.

TEXAS FARM AND RANCH PUB. CO.,

F. P. HOLLAND, President.

In making remittances to Texas Farm and Ranch for subscriptions and premiums, always buy a Postoffice Money Order, Express Order, or send by Registered Letter, if either of the above orders cannot be obtained. Money sent in ordinary letter, or Postal Note, cannot be recovered if lost or miscarried.

In ordering the paper changed from one postoffice to another, subscribers should always give the names of the old as well as the new postoffice.

THE weapon with which Samson slew the Philistines is now used to kill every salutary measure proposed in Congress.

THE farmers of Nebraska have been feeding Gen. Kelly's army to get rid of them. This is "taxation without representation."

LENA HILL is barred from the 2:35 trots, on second days of the San Antonio Jockey Club's spring meetings. Dont want to buck against a dead thing.

IF Congress would pass the necessary appropriation bills and immediately adjourn and go home, it would be the best thing for the country it seems to be capable of doing.

AN association for the promotion of international bi-metalism has been formed in Boston, composed of men eminent in political, financial and educational circles.

PLENTY of good farming land in Texas, located favorably and surrounded by every advantage, can be purchased and paid for in full with one year's crop of any of the great staples. Can this be done anywhere else?

A RECENT magazine writer, who professes to have studied the subject thoroughly, declares that American municipal governments are the most corrupt on earth. Why not tell us something not generally known?

THE programme of the San Antonio Jockey Club, for its spring meeting, calls for San Antonio, May 2nd to 5th; Taylor, May 9th to 12th; Waco, May 15th to 19th; Houston, May 22nd to 30th, to be followed by Dallas, dates to be announced later.

THE official report of the proceedings of the Texas State Bee-Keepers' Association, recently held at Greenville, will appear in next issue of TEXAS FARM AND RANCH. A copy of the paper will be sent to every bee-keeper in the state whose address can be obtained.

H. E. SINGLETON was down from his Poland China Farm, in Collin county, last week, and reports crops and stock in splendid condition, and everybody happy. Of his recent importation of broods sows, several were killed on the train by reckless bumping and sudden stopping of cars, but all of them were, and are, in perfect health in every way. He says the demand for breeding stock by farmers is greater than ever before.

AT the annual meeting of the Holstein-Friesian Association of America, held at Buffalo, New York, March 31st, 1894, Mr. F. L. Houghton, editor of the Holstein-Friesian Register, of Brattleboro, Vermont, was elected Secretary, to whom correspondence should be addressed.

HENRY CLEWS says the financial centers are oppressed with money. Exactly. That is what ails the country; the money of the country has been legislated into the vaults of the banks, and now the bankers and speculators are vilifying the people because they can no longer furnish plunder for the financial highwaymen.

THE Texas Jersey Cattle Club will hold their first public sale of registered acclimated Jerseys, at the Dallas Fair Grounds on May 15th. This is the first public sale of registered and acclimated Jerseys ever held in the state, and will offer an excellent opportunity for intending purchasers. See advertisement on another page.

THE recent decision of a high court, in a case wherein a wealthy lumber firm had been proven guilty of stealing trees off Government land, and the logs sequestered, that although the trees were evidently the property of the Government, that the logs were not, as they were no longer "trees," may seem inconsistent, but there is where the common mind is away off. The question was one of law, not of equity.

THE editor of the Texas Stockman and Farmer copies and comments upon an editorial paragraph in TEXAS FARM AND RANCH about wool and the tariff, and closes thus: "Just why that paper [TEXAS FARM AND RANCH] should be so pronounced in favor of placing wool on the free list, we cannot understand." Did the editor of the Stockman ever read a sentence wherein TEXAS FARM AND RANCH "pronounced in favor of placing wool on the free list?" If yea, let him point it out. If nay, let him explain why he printed the words referred to.

A CORRESPONDENT of the Dallas News, in a "Reply to Reagan," says: "The best dollar on earth to the poor man * * is the one that will buy the most food, clothing and comforts." That is all right when the poor man has the dollar; but when he wants the dollar, and has only the products of labor to exchange for it, the great value of the dollar is brought home to him in a very unpleasant manner. He has already concluded that a dollar that is worth two bushels of his wheat, or twenty pounds of his lint cotton is just too valuable by half.

GRAVE U. S. Senators seem to be getting a move on them. Associated press dispatches say they are "thoroughly aroused" to the necessity of pushing legislation. Senator Gorman, Chairman of the Democratic Steering Committee, has issued a call to all Democratic Senators to attend the daily sessions regularly, and on no occasion to be beyond call when a quorum is needed to transact business. Senator Blackburn, Chairman of the Committee on Rules, says: "The cries coming up from the country against the delay have been heard by the Democratic side of the senate, and not one of them will do an act or say a word to increase the delay." If Coxey, and Kelley, and Frey, and their followers, do nothing worse than this, they will be entitled to the gratitude of the nation.

IMPOSSIBILITIES DONT GO.

When a man declares that this, that, or the other proposition regarding future developments in human progress is impossible, he disregards the lessons of the past. It may be said with at least a semblance of truth, that every aspiration of the human mind is but the germ of a future fact. Such is the superiority of soul over body, that the thoughts of to-day are the realities of to-morrow. It is not inconsistent with Divine revelation to hold that the human soul is but an offshoot of the Creative Spirit to whose infinite power all things else owe their origin and existence, and that this divine power inherent in man is capable of infinite development and infinite possibilities. Our children, or our children's children may see such wonderful works as this generation, with all its boasted knowledge, never dreamed of. Electricity, which is actually unknown to us except through some of its manifestations, is, in all human probability, destined to replace for the purposes of men all the known physical forces of earth. It has only begun to be subjected to its master, man. With electricity, the great dynamic force of the universe, fully comprehended in its unlimited power, and with aluminum, at once the stablest, and most abundant metal yet discovered, the face of mother earth will be so changed and beautified, as to prepare it for the promised millennium—for the permanent abode of men, regenerated, purified, and immortalized. Who will dare to say that this is "impossible!"

IT IS NOT A JOKE.

General Manager St. John, of the Rock Island Railway, says of Gen. Kelley's division of the "commonwealers": "Nine-tenths of them are American born, respectable, honest, and remarkably well organized; no bums among them. Statements sent out about their being tramps are utterly untrue." So much the worse. There is something radically and fearfully wrong when such men, many thousands in number, will undertake the hardships, exposures and privations of a weary journey to the National Capitol in search of relief from enforced poverty. Those who consider this movement a joke or the work of cranks, have not read history, or read it to little purpose. It seems to a casual observer as a symptom of a very serious condition of the body politic. That these pilgrims to the shrine of Washington find friends and sympathizers among the common people everywhere on their various routes, and enemies, also, takes nothing from the gravity of the situation. The body politic is sick of the jobbery, obstructionism and political debauchery at the capitol; and the physicians who can heal the malady, must be statesmen capable of comprehending the country as a whole, and not merely that small portion of it known as the "commercial interests." If no such men can be found, so much the worse for the country.

HE WAS RIGHT ABOUT IT.

When Solomon said "contentment is better than riches," he uttered a general truth, that applies to states as well as individuals. An executive, legislative and judical department does not form a state; neither do speculators, railroads, banks, commercial exchanges, nor manufacturing and mining enterprises. The people are the state—at least under our form of government—and the contentment of the state cannot exceed the aggregated contentment of the people of the state. Therefore, we conclude that if the people of a state are contented, it is better for the state than a thousand manufacturing establishments and a hundred mining corporations, employing a million of men and controlling great wealth. The prevailing condition of our country illustrates this fact unmistakably. We take it for granted that no one will question that not only now, but at all times, the farmers are the best contented large class of the country, and that as a result the purely agricultural states are singularly free from the prevailing disorder, and consequently are in a better condition as regards human happiness than those states where great wealth looks down upon wide spread poverty. The present happy condition of our own state, as compared with the manufacturing and mining states, forcibly and happily illustrates this truth. Then why should we suffer so great anxiety about attracting corporate wealth from a distance and securing the establishment of huge manufacturing concerns. Would not 100,000 small farms tilled by 100,000 contented farmers be better for the state than many millions of corporate wealth, the inevitable tendency of which is to gather in by slow but sure increment so much of the peoples' substance as to make many thousands of discontented poor? Otherwise, Solomon was mistaken, which we do not believe.

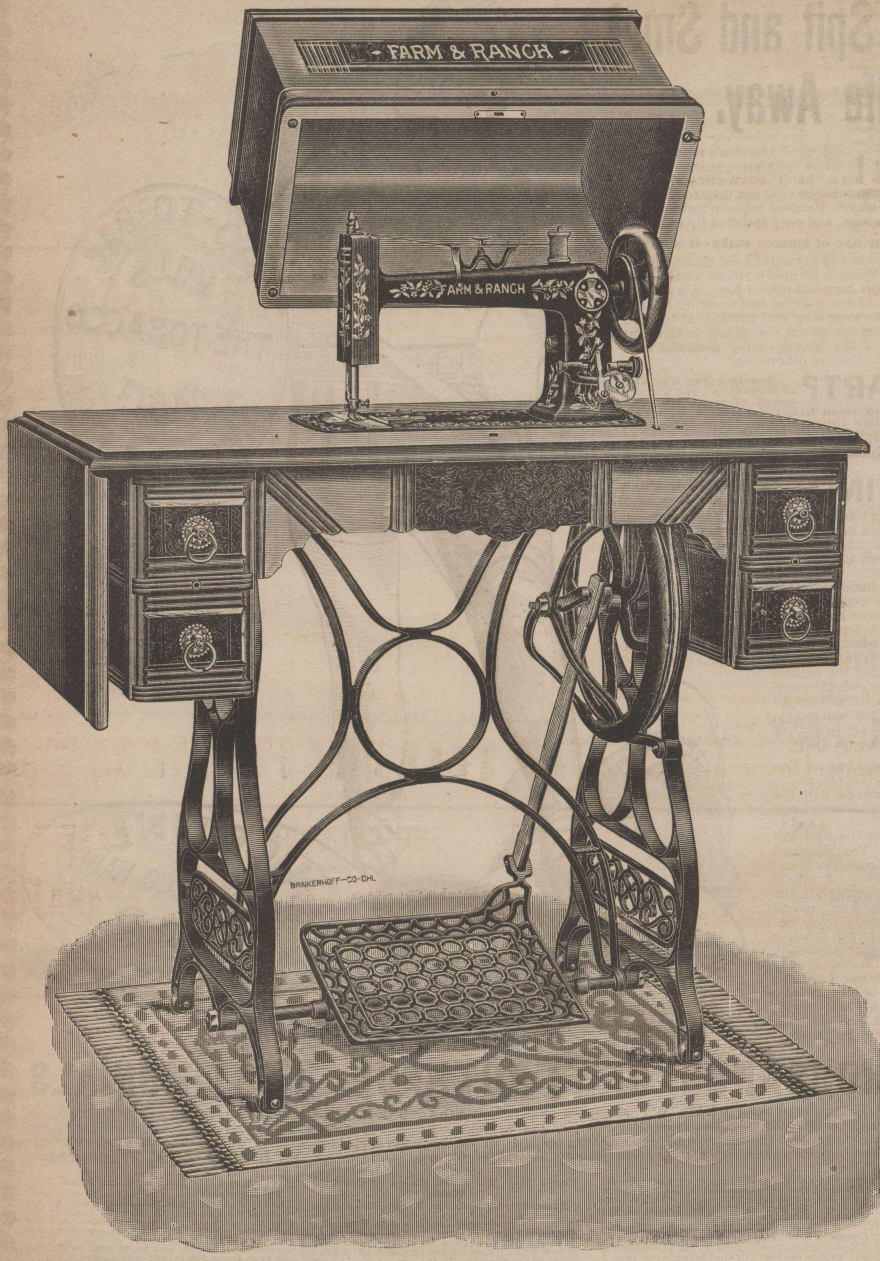
THE recent financial crisis, so fruitful in misery throughout the country, has had the effect to demonstrate the superiority of Texas and the entire Southwest as a farming and stock raising country, and consequently its superiority for all the legitimate purposes of commerce and manufactures. The fact that Texas suffered less than any other state, and that Arkansas, Louisiana, the Indian Territory and Oklahoma shared in this exemption, stands out in bold relief, and cannot fail of the consideration due to its importance.

THE home-market argument, with which the American people have been fiddled to sleep, is one of the greatest frauds of the age. All legislation for the purpose of forcing our people to buy the output of American factories, while there is no home market in which to sell their great staples of cotton, wheat and meats is a burden on productive industry to the advantage of manufacturers. If a man wants to buy a tool or a coat, what does he care whether the article was made in an adjoining state or across the ocean? He has worked hard for his few dollars—has paid "protection prices" for every one of them, and he has a natural right to buy as much with his money as any seller will offer him.

POLITICIANS are continually agitating for increased salaries—both the ins and those who hope to get in. Some of our venerable Senators complain that the people ought not to expect such financial sacrifices as they are called on to make. If it was generally understood that our Senators are on duty about three hours per day for five days in the week during the session, and that they get about $420 per month, besides mileage and contingent expenses, making a total of about $500 per month, or $16.60 per day, or about $10 per hour for the time they are actually engaged, there would be few tears shed over the self-sacrifice. But if during the brief time they are in session they would do something by way of earning their salaries, the people would be contented. When there are hundreds and thousands of people in the country without bread, or means to get it, it would seem that our Congressmen should be satisfied with their "pittance."

FRED HAM, of Cuero, died on last Saturday, of hydrophobia, from the bite of a dog received two years ago.

AN OPPORTUNITY YOU CANNOT AFFORD TO MISS.



READ EVERY LINE OF THIS.

The new improved Texas Farm and Ranch, the handsomest and finest proportioned sewing machine now manufactured, delivered, all charges prepaid by us, to any railroad station east of the Rocky Mountains, and TEXAS FARM AND RANCH one year for $20.

A large, handsome, noiseless, five-drawer machine, with oak or walnut stand, Gothic cover, drop leaf, locks to cover and drawers, nickel plated rings to drawers, dress guard to wheel and a device for replacing belts.

A $60 Machine for $20, Freight Prepaid.

Arrangements have just been completed by which we are enabled to furnish this latest improved high arm machine to our readers for the remarkably low price of $20, all charges prepaid. This is an unprecedented offer, that we are enabled to make only by contracting for them in large quantities for cash. A complete set of attachments in elegant velvet lined box, furnished free with each machine, together with all the modern improvements, such as automatic bobbin winder, self-threading shuttle, self-setting needle, tension releaser, together with the usual outfit of bobbins, needles, oil, screw-driver and illustrated book of instructions.

Read our ten-year guarantee and terms under which you can purchase one of these machines without a possible risk. We will warrant every new improved Texas Farm and Ranch High Arm Machine for ten years from date of purchase, and after ten days trial, if perfect and entire satisfaction is not given, the machine may be reshipped, at our expense, and the money paid will be promptly refunded.

Traveling agents sell no better machine than ours, and half of them not as good, for prices ranging from $40 to $60. Agents will use their best argument to convince you that our machine is not first-class, and at the same time insist upon your paying them a profit of from $20 to $30.

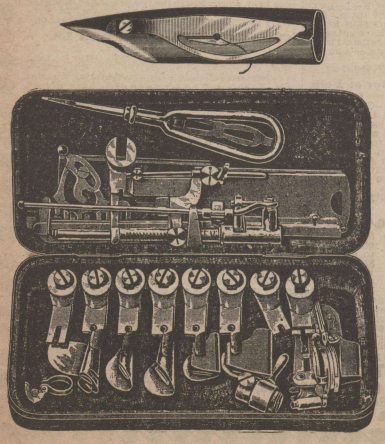
Remember it costs more to sell Sewing Machines through Agents than it does to Make them.

We are at no big expense in selling our machines—no agents, no high priced salaried officers, no fancy store rents, and no losses through credit sales.

We contract for these machines in large numbers. They are manufactured by one of the oldest sewing machine companies in the United States. We pay spot cash, and are in this way enabled to furnish them to our readers at bottom wholesale prices, and but a trifle above factory cost, thus saving them all middle men's profits.

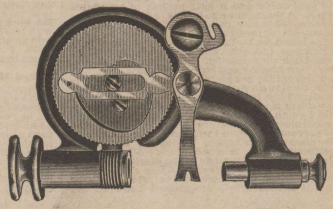
Remember our liberal offer and terms: The new improved Texas Farm and Ranch Machine for $20, delivered to any part of the U. S. east of the Rocky Mountains, and TEXAS FARM AND RANCH one year.

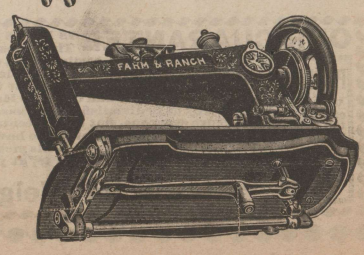
If you are already a subscriber to TEXAS FARM AND RANCH and wish to purchase the machine without regard to subscription, the price would be $19.50.



Do not confound the new improved Texas Farm and Ranch with sewing machines generally offered by newspapers, or with those offered at lower prices than named for the new Texas Farm and Ranch, but keep in mind that in the purchase of one of these machines you are buying an article that will compare with any sewing machine in the American market retailing at $60.

Under our guarantee you run no risk whatever in purchasing the Texas Farm and Ranch Improved Sewing Machine. You have ample time for its trial in your own home, and if for any reason you should wish to return it, shipment can be made at our expense and the money will be promptly refunded.





ADDRESS ALL ORDERS TO

Texas Farm and Ranch

DALLAS, TEXAS.

Orchard and Garden

Edited by Dr. A. M. Ragland, Pilot Point, Denton Co., Texas, to whom all communications for this Department should be addressed.

NOTES AND COMMENTS.

A private note from our efficient secretary informs us that we are to have a program more extensive than we have heretofore had, which would indicate we are to have a working session.

Heretofore the Horticultural Society has labored under the disadvantage of a lack of perfected organization, and still there is room for further improvement, though as we have grown older, we have been making progress. This year, we trust, will witness a well rounded, perfected organization, which will be able to make its impress upon the horticulture of Texas, doing for it what the societies of older states have done; becoming the dispenser of light and practical knowledge of all the details of fruit growing, so that the neophyte in this delightful calling, will look for and safely follow the counsel given by the experience and wisdom of this great body of workers.

* * *

FARMERS' INSTITUTES.

Among the important agencies for the general dissemination of useful and practical information, we account the Institute as one of the best, and it was a wise provision of our State Horticultural Society to authorize our executive committee to appoint some of its members to attend Farmers' Institutes, held near enough to them too avoid too onerous an expense. We have noted with pleasure that in several instances the discussion of the possibilities of fruit growing, and the methods approved by the best posted horticulturists, have attracted as much, or more interest, than any other subjects considered. We give it as our deliberate judgement that the legislature could not do better than authorize the holding of one or more Institutes in every congressional or senatorial district, and provide a small appropriation to pay the traveling expenses of the professors at our A & M. College, and of such eminent horticulturists as might be invited by the executive committee of the State Horticultural Society. Such meetings of farmers held annually in every county of the State, would supply them with all the details of combating diseases in fruits, and other products; also how to deal with noxious insects that prey with increasing voracity upon all their crops, both field and garden, till they make life a burden to the hard pressed tiller of the soil. Somebody will say the State has no right to appropriate money to such uses. It would be class legislation, they say. When the legislature establishes a great university to make lawyers and doctors of rich men's sons, and provides normals to educate teachers, that is not class legislation. It is about time we had a rest on the cry of the economist, who, if a thousand dollars or so, is asked for to publish reports of work of Farmers' Institutes, or the reports of the State Horticultural Society, are ready to raise a warning cry, "it is unconstitutional," "it is class legislation!" It is indeed but the artful plea of the demagogue; the chaff with which he hopes to gull the guileless husbandman. The friends of these agencies of rural advancement, should now bestir themselves so that a legislature pledged to inaugurate these helpful methods, and sources of information, for the farmers, who desire to avail themselves of them, may be elected.

* * *

OUR POSTAL CARDS.

The reports from fruit growers in various sections of the State, begin to give now the true condition of the fruit crop. A very light crop of peaches seems to be the verdict of a large part of our correspondence. Pears—LeConte, and Keiffer, none in North or Middle Texas; A fair crop in Southern Texas; late bloomers have generally escaped. Plums—A small crop on the Wild Goose and Chickasaw types; late bloomers of the Japan type, a fair crop; Golden Beauty, Arkansas Lombard, and a few others, a fair crop. Blackberries and grapes, a fair crop. Apples promise better than any other fruit so far. We give in this issue reports received since last week.

* * *

An easy way for a family to grow melons for home consumption, when only a limited space is obtainable, is the following: Dig a deep hole large enough to bury a barrel. Bore twenty or thirty holes in the barrel before putting it down. Fill in with manure from the stable, packing down well, to within six inches of the top; put a bed of good mellow soil all around the barrel. Now plant the Dixie, Icing, or Gray Monarch melon seed, on three sides of the barrel. When the plants begin to run, keep the ground in good tilth by hoeing, and give sufficient moisture by pouring water into the barrel once or twice a week, as needed—not too freely—melons dont require a great amount of water. This method supplies both food and drink in the most easily accessible form. This plan is commended, especially to the villager, whose garden space is usually limited. Try it, fellow townsmen.

* * *

We publish in this issue of Orchard and Garden the report of Mr. Schaltenberg, of Boerne, Texas. We give this as a model report, concise, yet full enough to contain the important data that needs be gathered to form a catalogue of fruit adapted to the different latitudes and longitudes of an empire like Texas. We should be glad to have a report from every county in the state, fashioned on similar lines. It would help immensely toward putting our wonderful variety before the world in a proper light. Can't we have 110 reports within the next two weeks?

* * *

Spraying the grapes to prevent black rot, mildew, etc., should be done at once, if not already attended to. We have found the application of the weaker Bordeaux mixture amply sufficient to afford protection. We use the following formula: Powdered sulphate of copper, 4 pounds; fresh unslacked lime, 3 pounds. Dissolve the copper in 5 or 6 gallons of water in a tub. Mix lime, first slacking it, then adding enough water to measure 6 gallons. Then mix the two together, stirring well. Strain into the pump receiver. We use a common fifty-gallon coal oil barrel, to which we attach the pump used for spraying. An old gunny cloth or tow sack, should be used to strain the liquid. Water enough should be added to make thirty gallons, which is sufficiently strong to destroy the funguous spores; though the bulletins of the Department of Agriculture recommend using only twenty-two gallons of water. The latter strength will not injure the foliage of the grape.

FRUIT CROP REPORTS.

The March blizzard has damaged us but very little. The Kelsey plum, owing to it blooming so early, its fruit is nearly all killed. The dewberry crop is about one-third lost. Apples, peaches, pears, quinces, Japan persimmons, and grapes all right so far. We have no apricots old enough to bear, otherwise they would have been killed.—E. J. THOMAS, Webster, Harris Co., Texas.

The freeze of March 28th has left us a few peaches and plums. Apples, cherries, grapes, blackberries, and the later blooming pears, such as Idaho, Anjou, and Bartlett, seem not to have been injured, and promise good crops of fruit, especially cherries, which are covered with bloom. What few strawberries we have are blooming finely, and grapes promise well. Early gardens were badly injured; also early planted corn, which has been replanted.—W. H. BACHMAN, Bowman, Archer Co., Texas.

Sir: The late freeze did not do near the damage to fruit here that it was at first thought to have done. The peach crop (which is of more importance than all the rest in this locality), seems to be injured very little. Chinese varieties, May peaches, etc., are all right, and those of the Crawford type are just "nicely thinned." The young peaches are growing off finely, though the trees are looking exceedingly "sick." Plums, blooming ahead of Wild Goose, almost a total loss. Late bloomers are shedding badly, but there will, doubtless, be enough to tide the curculio over another year. Apples and pears (LeConte excepted), are uninjured. No strawberries or blackberries grown hereabout.—H. A. PECK, Rockwall, Texas.

THEOLOGY VS. PRACTICE.

NATT STEVENS.

About the year 1885 a fine gentleman appeared in Southern California. He had just before it graduated with high honors from a Connecticut theological school, and considered himself master of the sciences of theology, and ready for practice; he had traveled over the state and obtained, as he thought, a perfect knowledge of all its horticultural products, and when he got to the southern part the great boom was on at Los Angeles. He took in their auction sales, free rides, with free music and free dinners, bought ten acres of land, and had it prepared to plant with Riverside Navel oranges. But when they asked him two dollars apiece for the trees, pay that he would not, and concluded to plant and raise his own trees, and did so. His theory led him, aided by others, to plant the orange itself where he wanted the trees to grow, and he did so, expecting several trees to start and grow from each orange so planted, and in that way, he thought he would be able to make much money by the sale of his spare trees, and in the meantime he went over to Riverside and saw that celebrated Riverside Navel orange tree in the orchard of Mrs. Tibbits, the parent stock, and returning, he watched impatiently the starting of his new trees. Time rolled around, and only now and then one sprout appeared, when, to his sorrow, he had planted seedless oranges, and he soon became the laughing stock, returned to the state of wooden cucumber seeds and wooden nutmegs, to feast upon his first experience of practical theology. There is a moral to this that is useful; but be sure that you are rlght first, and then go ahead, for sometimes there is a material difference between theology, or even theory, and practice.

ANOTHER INCIDENT

Occurs, as illustrated at the recent World's Fair. In order to get samples of the different fruits that would not decay, but last six months time, various devices and methods were used to obtain samples for exhibition. One among them was in the exhibit of Peter Henderson Seed Company, of New York, to illustrate their seed department. It represented a tomato, and it appeared to be a true representation, real, and not imaginary, large, and a good representation in appearance every way, and tempting to look at. As such it tempted two young men to get it, and they went off out of the attendant's sight to have a feast, and sat down to enjoy it. One cut it open to divide it, and in doing so exclaimed: "Gol darn the thing; it's got no seeds in it; it's solid grown." And his comrade said: "It's better for that; all seedless fruit is better for that, they say," and putting a piece into his mouth and trying to eat it, said: "Its no muchee tomato." "It's solid meat," said the other. "You do not comprehend; it's one of Henderson's new seedless varieties of tomatoes. Strange that you do not like it when, as all fruit men know, the whole strength and vitality is thrown into the flesh of the fruit—pshaw!" And on putting a piece into his own mouth he changed his mind, and said: "It's too much like wax." And at last they agreed that it was wax instead of fruit. Now this was an artificial fruit, raised without the use of seeds or roots, or the use of scions or buds, and it is a cheap way to do in small quantities, but not so palatable as the others to eat, yet it answers its purpose well at the fair, and we commend it to those who want to raise fruit without seed, or even the tree itself.

Forney, Texas.

REPORT OF S. A. SCHALTENBERG, BOERNE, TEXAS.

PEACHES—Alexander, Amsden, inclined to over-bear; Arkansas Traveler; Wilder; Lemon Cling, inclined to overbear; Chinese Cling, shy bearer, but fine peach; Columbia; Salway, fine peach, three weeks earlier than in California; Japan Dwarf Blood, earliest of all; Crosby, not fruited yet; Globe, shy bearer, but fine peach; Wonderful, good bearer and fine peach; Hendricks; Elberta; Crawford's, fine, but shy bearer; Stump, Smock and many others.

PEARS.

Tyson, rather small here; Margarette; Seckel, slow and shy bearer; Flemish Beauty, enormous bearer; Louise Bonne; Bartlett, blights badly; Wilder, not fruited yet; Summer Belle (Windsor); LeConte, and Kieffer, best growers, but inclined to over-bear; Garber, fine grower; Clapp's Favorite; Duchess, slow, but abundant bearer; Buerre Diel, tardy bearer.

APPLE.

Red Astrachan, fine grower and early bearer, one of the earliest, the apple for profit; Yellow Transparent, slow grower; Early Harvest; Striped June, inclined to over-bear; Red June, tardy bearer; Ben Davis; Wine Sap; Jonathan, fine apple; Winter Pearmain; Stark, splendid grower; Wealthy; Rome Beauty; Fink and Dominee, best for West Texas; Oldenburs, slow to come in bearing; Mann; Borsdorff.

PLUMS.

Nearly all the Japanese varieties do well; the following are of especial merit: Botan, enormous bearer; Abundance, enormous bearer; Satsuma; Burbank; Yellow Japan; Kelsey, the best, but bloom too early; Prunus Simonii, fine grower, but shy bearer. Of domestic varieties: Marianna, fine grower; Tennetrap, fine grower, but over-bears; Wild Goose, Lone Star, fruit identical with Marianna; Robinson, too small; Weaver, and Wayland, good growers, but not fruited yet; Shorpshire Damson; Forest Rose; Miner. The European varieties seem to be a failure here.

Of Apricots, the Russian varieties do fairly well as also do the Acme or Shense.

Almonds bear enormously, but bear too soon.

Figs do well if planted on the north side of buildings.

Cherries dont seem to thrive here, but Early Richmond, English Morello, Lieb, fruit of little value, do fairly well.

Strawberries are a failure, except in a few moist localities, by springs, etc.

Gooseberries and currants are total failures.

Quinces will not do except in moist soil.

Grapes: Hartford, Herbemont, Black Spanish and many others do fairly well.

Oranges: Have the Kumquat, Oonshiu, Dai Dai, Citrus trifoliata, now under trial. Had the Oonshiu bearing three years ago, but unfortunately had it in soil where cotton dies out and where all my other fruit trees have since died.

Rhubarb: Have tried it for three years from seed and roots both, but wont do. Also horse radish, with same result.

Asparagus does fine.

English Walnuts bearing at six years old from seed. Japanese walnuts, not fruited yet: tender.

"ROOT ROT AND ROOT KNOT."

G. ONDERDONK.

There has arisen some confusion in the use of these terms that, in view of the discussions that are now going on, and that are inevitable until the subject matters have become settled. Is it not well enough for us to conform to the use of terms agreed upon by acknowledged authorities?

There is a disease some call "club foot," an ugly knot or tumor on the roots of peaches, plums, sometimes on pears and apples, and even on some other growths, but mostly on peach and plum roots. It seems to be confined to no special soil or locality, but is found from ocean to ocean. Many of us, for want of an authorized name have been calling it the root knot. I think that this designation would have been a good one to maintain if the pomological department had not already sent out a bulletin fixing the same name upon an entirely different disease. But as it has really done so, is it not better to respect the designation, and thereby avoid confusion? Surely we all want, not only to be understood, but we want to understand each other, and to gain all the information that we can from the investigations and inevitable discussions now precipitated by the vast extension and developments of pomological industries.

Our chief of pomology at Washington speaks of this so-called root rot, or club foot, as root tumor. There can be no objection to this designation, and as suggested by another, "why not unite upon this name for this disease, and not be confounding it with an entirely different malady which has taken the name of root knot upon authority that should be deferred to as competent?" Let us all call it root tumor.

The root knot as defined by the bulletin issued by the Department in 1889, is the work of a microscopic worm, of which there seems to be several varieties. This one variety anguillulidæ seems cspecially injurious on our entire gulf coast. It bores into the tender feeders of the peach, mulberry, dewberry, blackberry, and even purslane and careless weeds are subject to its ravages. If the roots become so far injured as to destroy their texture, decay is the result. Young peach trees that have not become established upon deep roots may be promptly killed. Where every condition of soil and drainage is favorable to the life of the tree, and the tree has become thoroughly established upon deep roots, this litttle worm called anguillula may not do serious harm, as it works mostly upon roots near the surface, and its worst effects do not extend very deep, expecially in a heavy sub-soil. So the deeper roots may yet support the tree.

But whenever, from any cause, as in the case of defective drainage, in deep,

TEXAS FARM AND RANCH

Wittenberg & Sorber St.L.

VOL. XIII.—No. 17. DALLAS, TEXAS, APRIL 28, 1894. WEEKLY | $1 A YEAR, 5c. a Copy.



KING OF THE MORGANS.

The cut on this page is a lively illustration of the celebrated Morgan stallion, Herod, 2:24½, at the age of twenty-eight years, with four of his colts. Herod is the property of M. T. Gratton, Preston, Minn., and is recognized as king of the Morgans. He is the sire of Michael, 2:28½; King Grover, 2:28½; Kenoma (pacer), 2:23. He is the grand sire of Nubbins, 2:23¼; Dark Night, 2:25½; Meteor, 2:28. He is the great grand sire of Nix. 2:22½, and Clifford K. (3-year-old), 2:29¼.

EFFECT OF CLIMATE ON SHEEP.

Wool and Hide Shipper.

Stephen Powers says: I lay down the broad proposition that any part of the United States is healthy to any breed of sheep, if they are properly acclimated and cared for. It is soil and water that sicken sheep—not climate. A flock may be moved a thousand miles south with less injury than they can be transferred suddenly from limestone water to freestone water, or from an argillaceous soil to a silicious one. But of course an animal moved several degrees of latitude should be moved at a season of the year when it can become accustomed to the change in temperature gradually. It used to be thought, and was taught by Dr. Randall, that a hot climate had a tendency to coarsen the fiber of the wool, but the best modern teachings do not sustain this opinion; at least it has been proved in Texas and California that, other conditions being equal, as fine wool can be grown in those hot climates as elsewhere in the Union.

Tennessee Farmer: Summer butter rules higher than formerly and winter butter lower. Cold storage tends to equalize the price, and bogus butter also hammers down high prices in winter.

I like TEXAS FARM AND RANCH better every day.—R. S. SEARLE, Temple, Tex.

Household.

Address all letters for this Department to Mrs. S. E. Buchanan, Dallas, Texas.

CHAT.

Mrs. Lizzie Hamlett, of Alvin, has our warmest thanks for a box of beautiful and luscious strawberries, which were received on Monday. The sight and smell were so delightful that we sigh for an opportunity to look upon Alvin's "coral strand," where such delicacies abound. With the box came an invitation to be on hand at the chrysanthemum show in the fall, with the assurance that we shall find an abundance of confections made from the same fruit, in jams, jellies and preserves. May we be there to see and taste. Go? Of course we shall if it be possible.

Allie B. comes to the front a happy queen to defend the power who made her queen of a blessed home and a good husband. May such homes multiply all over our land till they become as numerous as the stars in the sky, as steady in their brightness, shining as beacon lights along life's path.

Mrs. Terry W. White has been won over to love one newspaper, at least, and why? Because of the sisterhood of interests, and the conscientious desire of our members to obey one of the Scriptural injunctions, which bids us "bear one another's burdens." The Household are, and have always been, kindly affectionate, one to another, and we pray that it may long continue, and we cordially invite all our women to come into our cheery, happy circle and help us help each other on. In reference to the young woman who wants a home, we have already forwarded to her address six letters, and have several others on hand.

Betsy begs we will not consider her presumptious in coming among us. Not at all so, dear madam. We are glad to have you come, and like Wandering Bachelor, we confess a liking for honey, and it is always a source of pleasure when our friends speak words of genuine kindness in praise of the Household.

And now comes Sunshine, who, since she last wrote, has become Mrs. B., the eloquent and enthusiastic wife of a blue-eyed husband, whom she has found to be all her fancy painted him. Accept the warmest congratulations of the entire Household, dear Sunshine, and may [illegible] in wedded hood, typify your future life. We had missed your genial light, which sometimes fell upon the Household, but did not dream that you had withdrawn it to shine on one alone. Long life, happiness and prosperity attend you!

Alice Jackson stands in the front rank among those who defend the "citadel of love," and while not experienced, she evidently has very carefully analyzed the theme. Come again.

Wandering Bachelor, always welcome, expresses his appreciation of kind words and speaks wisely on the subject of gift-making and receiving, and challenges Owen to a race for the hand of some fair damsel—that other fellow's sister. He makes a very strong case for himself, but we are not quite decided in our mind whether he is excusable for delaying so long the making of his choice.

Mrs. C. J. Hogan, of Stephenville, Texas, has our sympathies for her isolation from her friends and family, and we hope she may hear from her brother through some reader of TEXAS FARM AND RANCH. We are pleased that she enjoys the Household.

Francis writes an excellent letter, in which he expresses very strongly his protest against the selfishness of those who "care for nae body, and nae body cares for me." Really, it seems an aimless sort of life, to drift adown the current of time, caring only for one's self. Evidently the twain in Francis' home is a unit. How emphatic this is made: "Wife and I have long been," etc. The very words were an attraction when we first glanced at the letter, and we knew then there was something good in store. Not only have a great many good women denied that love is mythical, but our good men have proven that life without love is, at best, only bearable. How beautiful the home as depicted by G. W. Hastings, Old Cotton Planter, Grandpa, Francis, Colona, and a number of others; even our genial, big-hearted bachelors, have not dared deride the sacred ties of matrimony but have been a unit in defending them.

SHORT LETTERS.

We hope our kind friends, whose letters we condense, will forgive us. They are all upon the same theme, and if we published all entire, our department would really become tiresome to even Love's champions. We mean no discourtesy, dear friends, nor do we lack appreciation of your feelings and efforts, but the subject has been under consideration so long we fear to weary some. We hope to hear from each one again.

Mamie, Chilton, Texas, avows her unbelief in love, thinks it mars more lives than it makes happy. Loves to read the Household, but is timid.

Misses Nora and Mary Dodson, of Peaster, living in the country, enjoy the Household, and love to read TEXAS FARM AND RANCH. They love their country home, and believe that girls should not indulge in flirtations, but be pure and true, turning a deaf ear to flattery. We will be glad to hear from them again.

Fannie, Blossom, Texas, has been loving and reading TEXAS FARM AND RANCH for two years, always wishing to visit us, but too timid until now. She enjoys Alice Rawlins' letters, and regrets that Mabel, Reta, and Josie, are looking only for shipwrecks, and hopes they will change, and yet find that all the world is full of love.

Mabel Moore, Petty, Texas: I am a farmer's daughter; we take TEXAS FARM AND RANCH, and how I do love the letters of the Household. What has become of Bessie, Ida L.. and Fanny B.? Like Lalla Martin, I love to read good books. I used to love novels, but now I scarcely ever read one. I have long been wanting to come into the Household, after reading the many good letters. Will you admit me?" Certainly, Mabel, you are quite welcome; come again.

Mrs. H. A. Foster, Sabinal Canon: "Certainly, dear Household, you will let me have a little say on the subject of love. To those dear girls who deny the existence of love, let me say from experience, I can look back to my first and only love, with joy and pride, rather than scorn and disgust. For eleven years I was permitted to live with that dear one. Oh! how dark the world looked when death took him from me, our home was such an one as Mr. Hastings describes. I have two little boys, aged 11 and 5; noisy of course, but how dear to their mother's heart! I live with my dear old father and mother now, and we are a happy family, but sisters, life can never be what it once was. Certainly, dear friends, I do enjoy all your noble letters. I must say good night."

Mrs. M. E. Cooper, Crystal Springs, Miss.: "That was a lovely picture, indeed, of grandpa's happy home, where love still lingers, though time has furrowed their brows. I wish there were more such homes. Grandma, please allow me to congratulate you, for you have, to my mind, the ideal husband.

AN ELOQUENT ENTHUSIAST.

SUNSHINE.

Mrs. S. E. Buchanan: Here comes a truant, hoping to find a welcome, after several month's rambling through the Sunny South, in search of pleasure; and of course, we drank at the fountain head and enjoyed all its felicities. I am at present visiting mamma, who was thoughtful enough to save all the numbers of TEXAS FARM AND RANCH for me, so I am well posted.

Mabel Clair, you are a skeptic. Love is the rudimental element of the human soul, a divine gift, which God in His infinite wisdom did not withdraw from His erring children when they were driven from Paradise. Love is the very essence of Divine law; the source of inspiration, even the fountain of life itself. It endows humanity with countless virtues, and throws a mystic veil over all our faults. 'Tis love that controls the destiny of all human beings. Under its influence empires have fallen, and scepters have been lost. Literature owes love its choicest gems. The poet's lay is sweeter when Cupid tunes the lyre, aye, and artist's brush truer if guided by Love. Without love, life would be a dreary desert, not even a mirage would gladden the eye, and the long looked for oasis would never be found. In all ages the golden glory of love has lightened the burden of every true Christian. It dwells in the bosom of every noble hearted woman. It is a star that darkness cannot quench. It rises to the greatest heights, and descends to the lowest depths, and forgives the most cruel injuries. Love is perennial, and grows in every clime. Neither coldness nor neglect can extinguish it. It is the perfume of the heart. This is real love that subdues the earth; that gives us music all the way through life, and bears our souls away on wings of bliss, to Elysian fields, and there enjoy love that is sweeter than life and stronger than death. "Love is immortal and lives beyond the tomb."

Alas! Reta, you are very badly mistaken when you say that flattery, deceit and lying, is practiced with pride by every one. My handsome blue eyed husband does not tell me lies. He has never made me a promise, but what he has fulfilled it, and I would not dishonor my womanhood by dealing falsely with him.

Mabel says she has studied the faces around her. Ah, girls, how can you be so unkind as to advocate a theory detrimental to your friends, and also reflect discredit to your kind parents who cared for you with loving hands, when you could not care for yourselves. Girls, if you will read the Bible more, fiction less, your minds will be better prepared to discuss this great subject.

Write often, sister Stella; and what has become of Ida L., and all the other noble sisters? Bro. Hastings, you speak my sentiments.

I will soon leave for a visit to my husband's relatives in the north. With much love I say good-bye.

Seagoville, Texas.

WON OVER.

MRS. TERRY W. WILIE.

Dear Mrs. Buchanan: I had almost become disgusted with newspapers, for the reason my husband takes about seven, and when they come from the office, there is no such a thing as getting him to talk, or do anything, until they are all looked over and read, and TEXAS FARM AND RANCH has been one of them for years; but now I have become interested in the Household department. I am as anxious to get it as he is, and it is a great source of pleasure to me. What sweet advice in Hattie Harmon's letter. We live in the country. I have four boys, the oldest seven years old; the youngest sixteen months old, and have a great deal of housework to do, and would like to have a young girl or lady to help me, and as I notice you have a letter from a young lady who wishes a home in the country; if she hasn't already procured one, I would be glad to have her address, that I may correspond with her, as the young lady that has been living with me is going to her mother in the Indian Territory, in a few days. Success to TEXAS FARM AND RANCH, especially to Household department.

Mt. Calm, Texas.

A CHALLENGE.

WANDERING BACHELOR.

Here I am again with my budget. Before unpacking it, however, I wish to return thanks to Mrs. Sydney Cook, Mary Morris and many other members, for kindly mention. To be considered a member of this charming Household is of itself an honor to be proud of. To be complimented by its talented members makes me doubly proud. Such praise is sweet, and I must confess to a very human fondness for honey.

Since my last appearance I have left the noise and turmoil of the city, and returned to my country home. How bright and beautiful the country is. The sun-god shines with a golden sheen on this beautiful earth in its mantle of green.

Laura asks rather a delicate question: "Is it right for young ladies to receive presents from young men?" Under certain conditions, I think they may receive such presents, for instance, birthday gifts may be given and received without impropriety, merely, however, as tokens of friendship. Gifts of flowers and books may be received by young ladies from their gentleman friends, but outside of this, I think that a girl who gives and receives presents will, at some time, regret it. It is a very common thing for a young lady to present her photo to her gentleman friends. This is decidedly wrong, and liable to cause regret to the giver. Many young men, from lack of courtesy and common sense, will, having obtained possession of a lady's photo, show it to every one he comes in contact with, with more or less boastful comments, and again the receipt of presents, especially, if they possess intrinsic value, will place any well bred girl under a sense of obligation that may, in the future, become very galling to her, therefore I would respectfully advise Laura and our Household girls, as I would advise my sister if I had one, do not accept presents from gentlemen; they will respect you more for your refusal than they would for your acceptance.

Brother Owen, shake. I like your letter, although you deal me some very severe raps. You have given my theory a black eye, but you have not demolished it. You say, "talk to the men; they should support wives and daughters, mothers and sisters." Granted, Brother Owen, but what shall we do with orphan girls having no brothers, and girls like Mabel Clair, Reta and Josie, denying the existence of love, and positively refusing to allow another girl's brother to provide for them? Answer that, Brother Owen. And how are you going to provide for the Bachelor Girl who is waiting for the fellow with the rocks? We all know such men are scarce nowadays and may not be willing to invest their cash in such property as a mercenary feminine heart, such as the Girl Bachelor claims to possess.

We all agree that it is perfectly right and proper for a woman to teach school, and yet hold up our hands in horror when some of our girls (God bless them) desiring independence, make name and fame in some of the learned professions. I say let them go. If God has given them talents they should use them.

Brother Owen rallies me on my duty. I was deprived of my mother at an early age, and I never had a sister, so according to Brother Owen, I am not even doing my duty in part, having no one to provide for. However, rather than remain under the stigma of shirking my duty, I will make Brother Owen this promise, which I think our kind editress and the Household will agree, is a fair one: When I shall meet some other fellow's sister who is not being better provided for than I can provide for her, I will offer myself as provider, and as I agree with Cyclone, that women have no business in the field, that fellow's sister will never be requested to hit the cotton patch.

I second Mrs. Sidney Cook's motion for the contributors' pictures, especially our editress and Stella.

Housley, Texas.

WHAT ALICE THINKS.

ALICE JACKSON.

As Mrs. Buchanan has repeated the assertion of having no waste basket, neither has she use for one, I will again venture in. Dearest Mabel,

"Feelest thou no joy, no quiet happiness,
No soothing sense of satisfaction in
Loving, and being loved? Is there no weight
Removed from the heart, in knowing there is one
To share all, bear all with thee? To soothe grief,
Yea, to soften its human pain
By a superior love, the cup to temper
With words of consolation, and sweet hope,
That even its very bitterness shall seem sweet,
Forgotten in the love that offers it!"

Dear Mabel, I want to tell yon that there is such a thing existing in this world of ours, as true and everlasting love. I do not speak from experience, I can assure you, as I haven't a lover; neither do I wish one, but am speaking from observation. Of course, there is the false and fickle, but there is also the tried and true, I think.

"Man cannot act a more perfidous part,
Than to use his utmost efforts to obtain
A confidence in order to deceive."

The man of uprightness and integrity looks upon marriage as a business of the greatest importance in life, and a change of condition that cannot be undertaken with too much reverence and deliberation. A true man wishes to act a conscientious part, and consequently, cannot think of sporting with the affections of the fair sex, nor even paying his addresses to any one till he is perfectly convinced his own are fixed on just principles.

Mabel, do you not believe that,

"Marriage, the happiest state of life would be,
If hands were only joined where hearts agree?"

"Some men's love is like Scotch snuff,
You take a pinch, and that's enough.
Profit by this sage advice,
When you fall in love, think twice."

May peace and prosperity attend you all, is the wish I cherish for each and everyone of you.

Marystown, Texas.

WANTS TO FIND A BROTHER.

MRS. C. J. HOGAN.

Dear Household: I have been a silent reader of your noble paper, and as it is so widely spread, I wish to make inquiry through it for a lost brother. It has been six long years since I heard from him; then he had been very ill for several months. His name is Z. I. Tennisson, a son of Dr. J. W. Tennisson. He married a daughter of Parson Deshaso, a Methodist preacher. My parents had a large family; seven girls and four boys, and we were so devoted to each other. Some have passed away, but I am satisfied some are living, and I am alone in the Lone Star State, no relative near, save one uncle and cousin. If anyone who reads this, can give me any information, it will be gladly received. When I heard of my brother last he was at Hacket, Ark.

I enjoy the sisters' letters so much, as I have not been able to do much for the

THE TRUST AFTER NO-TO-BAC.

Estimated That Half a Million Tobacco Users Will be Cured in '94 by the Use of No-To-Bac, Causing a Loss of Many Millions of Dollars to Tobacco Manufacturers.

CHICAGO, March 12.—[Special.]—It was reported to-day that a large sum of money had been offered the proprietors of the cure for the tobacco habit called "no-to-bac," which is famous all over the country for its wonderful effect. This offer, it was said, was made by parties who desire to take it off the market and stop its sale, because of its injury to the tobacco business. Mr. H. L. Kramer, general manager of the no-to-bac business, was interviewed at his office, 45 Randolph street, and when questioned, promptly said;

"No, sir; no-to-bac is not for sale to the tobacco trust. We just refused a half million from other parties for our business. Certainly no-to-bac affects the tobacco business. It will cure over a half million people in 1894, at an average saving of $50, which each would otherwise expend for tobacco, amounting in round figures to $25,000,000. Of course tobacco manufacturers' and dealers' loss is the gain of the party taking no-to-bac. Does no-to-bac benefit physically? Yes, sir. The majority of our patients report an immediate gain in flesh, and their nicotine saturated systems are cleansed and made vigorous. How is no-to-bac sold? Principally through our traveling agents. We employ over a thousand. It is also sold by druggists, wholesale and retail, throughout the United States and Canada. How are patients assured that no-to-bac will effect a cure in their case? We absolutely guarantee three boxes, costing $2.50 to cure any case. Failure to cure means the money back. Of course there are failures, but they are few, and we can better afford to have the good will of an occasional failure than his money.

We publish a little book called, 'Dont Tobacco Spit or Smoke Your Life Away,' that tells all about no-to-bac, which will be mailed free to anyone desiring it, by addressing the Sterling Remedy Company, 45–49 Randolph street, Chicago.

A GOOD CHEAP ROOF.

Economy in roofing as well as everything else has become necessary during the last few months of hard times. A good roof is a necessity and the cheapest roof made for barns, sheds, out houses, poultry houses, under roofs of sod houses, etc., is the Red Rope Roofing advertised by the W. E. Campe Rfg. & Mfg. Co., of Kansas City, Mo. It is strong and durable, absolutely waterproof, and has been in use for the last seven years with entire satisfaction. It only costs $1.50 per 100 sq. ft., (including paint) and the freight is paid to your railway station.

DONT WALK.

You are neither too long, too short, too heavy, nor too light, to ride a TEXAS FARM AND RANCH—best road machine on earth—Bicycle.

FARM LANDS A SPECIALTY.

10,000 acres of rich Grayson County black land and 20 improved farms for sale on terms cheaper than rents. Low prices, easy terms, small interest. Write, or come and tell me just what you desire.
J. F. EVANS, Sherman, Texas.

50,000 Acres Red River Farms.

Lands in Montague and Clay counties for sale in small or large tracts. For prices, terms and general information write VERNE & GORDON, Ringgold, Montague Co., Texas.

FOR INFORMATION About Calhoun County and Southern Texas, the "New California," address the *Port Lavaca*ns, Port Lavaca, Texas, for sample copy. Southern Texas possesses wonderful possibilities of soil and climate, and attracts wide attention. The *Lavacan* will be replete with information for the home-seeker.

A Fine Body of Land
FOR SALE AT
ONE-HALF ITS REAL VALUE.

We have for sale 4900 acres of fine agricultural land in Parker county, Texas, seven miles southwest of Weatherford. There is 1000 acres Brazos river bottom land, 2500 acres black prairie land, balance somewhat broken, but good pasture land. It is all inclosed with good wire fence, has two farm houses, 200 acres in cultivation, several living springs of pure water that never fail, and fine grass. A large quantity of hay can be cut upon it each year. This is an excellent place to feed stock, and when not wanted for that purpose can be subdivided into small farms and sold at a good profit. On account of a mortgage loan upon it, which is due, the owner will sell very cheap. For price and terms write or call upon
CASWELL BROTHERS,
Fifth and Houston Sts. **Fort Worth, Tex.**

1535 ACRES FENCED

And watered pasture, in Frio county, for sale or lease. Apply to R. PETERSON, Paris, Texas.

Texas Co-operative Land and Colonization Company. We find the buyer, you do the selling. Do you ask, "What do you mean? How will I get a chance to sell to them? What commission?" If you have Texas land for sale, all of these questions and more will be answered by addressing McGARY, GILLESPIE & MILLS, Box 231, Houston, Tex.

LANDS, LOANS AND ABSTRACTS.

I do a general business in the above lines. Safe investments made. Parties seeking homes or investments would do well to communicate with me. All correspondence given special attention.
P. W. HARRISON, Paris, Texas.

SOUTH TEXAS Prairie, Fruit and Timber LANDS

FOR SALE in all parts of Southern Texas. Also several fine plantations in Brazos Bottom. For particulars address **J. C. S. MORROW & CO., 512 Main St., Houston, Texas.**

Come to the Gulf Coast

And settle in the best and most prosperous section in Texas. We have health, the best farming and fruit section in America, and cheap lands for everybody. Be sure and write us for maps, pamphlets and price lists. CASH & LUCKEL, 306½ Main st., Houston, Tex.

DO YOU WANT A FARM?

The Kickapoo Country, Oklahoma, (garden spot of the world) will be opened to settlement soon. For particulars read the "Oklahoma Farmer," $1.00 a year. Oklahoma City, O. T.

Pleasant Bayou Rancho Lands For Sale.

31,540 acres to be divided to suit purchasers. Never before offered for sale. Prices the lowest and terms the most reasonable. Prairie lands with timber and navigable waters. Address PLEASANT BAYOU RANCHO LAND OFFICE, Alvin, Texas.

THE GULF COAST COUNTRY.

Do you want a home in the garden spot of Texas, amid fruits and flowers, where health is perfect and the climate unsurpassed? Rich and fertile soil, and sub-irrigated and bountiful rainfall. Call on or address TOLAR & MCGINTY, Alvin, Texas.

THE TEXAS COAST is being settled more rapidly than any part of the U. S. Rainfall is ample. This is the home of the pear—over $5,000 being realized on 13 acres. This is unsurpassed for strawberries, early vegetables, cotton, sugar cane. For more information write to
RICHARDSON & SHIRLEY, Alvin, Texas.

CHEAP PANHANDLE LANDS.

For good land at $1.50 to $4 per acre, write to the undersigned and state what you want. Improved and unimproved. 37 residence lots for $370.
M. F. BEAUMONT,
Hartley, Hartley County, Texas

PHILADELPHIA, PA., AND VICINITY.

Rents, interest and claims of all kinds collected. Estates settled and attended to. Insurance Notary Public. Copies of Wills, Deeds, Deaths, Marriages, etc., furnished.
THOMAS M. CARLIN, Attorney-at-Law,
608 Chestnut St., Philadelphia, Pa.

For Sale or Trade.

2341 acres good black waxy and black sandy land in Tarrant county, on Rock Island and Denver R. R., near stations; 600 cultivated, 6 houses, two deep wells. Price, $12.50 to $25, according to selection; rented now. Easy terms. Good female cattle taken for one-fourth the amount of purchase.
S. O. MOODIE, Fort Worth, Texas.

A HOME CHEAP.

Don't rent. Buy a home. Good black land homes to sell at from $12.50 to $25 per acre, on long time. Western lands cheap. Apply to

P. A. Huffman & Co.,
Box 464. FORT WORTH, TEXAS.

TO FARMERS.

We have for sale improved and unimproved farm and ranch property in Erath, one of the leading agricultural counties of Central Texas. For sale cheap and on easy payments. Do not buy until you see our descriptive price list, which will be sent free on application. Address

Journal Real Estate and Investment Bureau,
W. R. MCCLELLAN, Mgr., Stephenville, Tex.

Homes for Everybody
And Soil and Climate Unsurpassed.

We can supply you with what you need. Easy terms. Write us before locating or investing. Information about lands, etc., cheerfully and promptly furnished.
J. R. JETER & CO., Houston, Texas.

Tarrant County Farm

Of 207 acres, 7 miles west of Fort Worth, on gravelled road, valley land prairie, good black and chocolate soil, all fenced, 107 acres cultivated, small house, shed, cistern and well. Price, $20 per acre. Same land in Lamar, Fannin, Collin and other thickly settled counties sells for $30 per acre. Send for my illustrated circular about Tarrant County and the Fort Worth Packing House, Stock Yards and Flour Mills.
S. M. SMITH,
Board of Trade Bldg., Fort Worth, Tex.

Come to THE TEXAS COAST! HOUSTON, THE BANNER CITY OF TEXAS!

Money judiciously invested in Houston or surrounding country will double in 12 months. For this reason it will pay you to hustle for a home in this beautiful and healthy Coast country now. No failures in crops! No drouths! No irrigation! From 10 up to 50,000 acres of the best cotton, corn, fruit and vegetable land in Texas for sale. I make a specialty of locating large colonies of all nationalities. Write for printed matter, etc. O. M. PUDOR, Land & Immigration Agent, P. O. box 144, Houston, Texas.



ALCOTT & MAYNOR,
DALLAS, TEXAS.
ORGANS,
Hardman, Gabler and Schubert Pianos.
Write for prices and terms. We will save you money.

MACHINERY DEPARTMENT

KEATING IMPLEMENT & MACHINE CO.,
DALLAS, TEXAS.

Manufacturers' State Agents for **FARM, GIN AND MILL MACHINERY.**

Cotton Ginners, please note that we make Cotton Gin Machinery a Specialty.

Having carefully watched the progress of improvements and the demands of the Gin House, adopting only that which by practical tests in the Gin House has proven the most reliable, we are now able to offer you

The Most Simple, Reliable and Effective System,

giving better net results than any other on the market. In support of this claim we have in our office for inspection many letters from prominent practical ginners reporting on the work of our machinery in detail, and also as a complete system; and futhermore 3 diplomas awarded at the late State Fair, after actual trial with other leading systems, by a careful and practical Committee, covering the following points:

1st. For the most complete system of handling, cleaning, and ginning cotton from wagon to press, but not to include press.
2nd. For best leveling, distributing and feeding system for battery of gins.
3rd. For the best gin for upland cotton.

Our Eagle Cotton Gin Co. received SIX AWARDS at the World's Columbian Exposition, Chicago, in competition and actual tests with one of the oldest and leading systems of the country. Among the awards was one for

"A complete system for elevating, distributing, cleaning, feeding, ginning, condensing and conveying cotton from the bin or wagon to the press. A new and novel device, showing marked advancement in preparing cotton for the market."

For the following reasons:
1st. It has superiority and rapidity of work.
2d. Superiority in turn-out or yield of lint.
3d. Superiority in sample or quality of lint, as was demonstrated in test made August 7, 1893.

We have our **MODEL GINNERY** in actual operation here in Dallas, for the personal inspection of all who may favor us with a visit, or can refer those who are unable to visit us here to our customers in different sections of the state who are using our New System.

We have a competent corps of salesmen in the field, one of whom we will send on application, or will furnish estimates on complete plants by mail.

KEATING IMPLEMENT & MACHINE CO.

GINNERS,
PLEASE NOTE:

1st. We are the leaders in the march of improvements of all kinds for handling cotton in any shape or form.

2nd. We were the first to originate, experiment with, perfect, patent, manufacture, introduce and build up such a trade for it, the extent of which has never been equaled by any manufacturing concern in this line in the United States.

3rd. We have the only original pioneer patents which cover the system of elevating and cleaning cotton by suction, without passing it through the fan.

4th. We have the original patents covering the system of running the gin and brush with one and the same belt.

5th. We have the original patents for handling lint cotton through one flue into one condenser and into double box press.

6th. We have various other patents too numerous to mention here, which cover and protect our complete system, from wagon to bale.

7th. Ours is the only system which was invented, perfected, patented, introduced, and is still owned and manufactured exclusively by Southern individuals.

8th. We have manufactured twenty times as many complete or system ginning outfits as any other manufacturer.

9th. We have sold more large ginneries, (from 8 gin stands up to 12 of any kind) than all other manufacturers combined.

10th. We have the only system on which insurance companies have given a rate of from 3¾ per cent to 5 per cent.

11. We have more gold medals on our cotton gin machinery than all of our competitors combined.

12th. We have every gold medal given to any company or individual by any State Fair, at any time for a complete system of handling, ginning and pressing cotton from wagon to bale.

13th. We have the only gold medal given by the last Dallas Fair for cotton gin machinery, of any kind whatever.

14th. We have taken the first premium in every instance and in every place where we have exibited and competed throughout the entire South, as well as at Chicago, on our complete outfits, against the principal manufacturers of both North and South.

15th. We have had more gold medals and diplomas given us, beginning with the Cotton Centennial Exposition at New Orleans, than all of our competitors combined.

Munger Improved Cotton Machine Mfg. Co.,
DALLAS, TEXAS.

QUESTIONS AND ANSWERS.

When veterinary advice is desired by mail and without delay, Dr. Folsetter should be addressed directly, and one dollar enclosed to secure prompt attention. Queries addressed to TEXAS FARM AND RANCH for publication will be answered, each in its turn.

I have a stallion, 8 years old, in fair order, good appetite, and apparantly in good health in every way, except when driven fast he begins to wheeze and breathe with difficulty, as if choked, but does not cough. All the way I can account for it is he got to a stack of dry sorghum, the first he had had, and ate bountifully of it, and next day he seemed affected as above described. Was the sorghum the cause? What shall I do for him?—G. R. JOWELL, La Plata, Texas.

ANS.—I think your horse is a "roarer." This is a diseased condition of the larynx, which may arise from various causes. The sound sometimes is produced from obstruction to the breathing, such as tumors in the nose, swelling of the throat, as in distemper, etc. In the majority of cases it is due to paralysis of the inferior laryngeal nerve, or the muscles which control the vocal cords. In chronic cases, the only treatment that will succeed is the removal of the cartilage of the larynx (ony tenoid). This should only be attempted by a veterinary surgeon.—FRANCIS.

I had 18 very pretty pigs come in February. Before they were old enough to eat much they began to droop and take something like thumps, and soon die. After 5 out of 18 had died, I took them from their mothers, gave shelter, fed soaked corn with a little ashes, salt and a little turpentine; they grew thin and took scowers. I then used red-oak decoction; all dead but three, and they look badly. My old hogs are sick, droop, and decline to eat or drink, get very lame, usually in left fore leg; soon get so they can't get up when down. One died in good flesh; dissected it and found the left kidney enlarged to four times the size of the other, and incased in coagulated blood; lower half and neck of bladder filled with bloody urine. Have another large sow in good flesh affected the same way; got her in lot, helped her up twice a day for fourteen days; has not eaten twenty grains of corn or over four ounces of corn bread, and for ten days did not drink a drop of water; for the last four days drank about a pint each day, and is getting better; can get up without assistance; very little, if any, reduced in flesh. No evidence of cholera.—F. F. THOMPSON, Oakwoods, Texas.

ANS.—I am not able to decide what the trouble is.—FRANCIS.

Have a Jersey calf nearly four months old that has been sick nearly two months. Was raising by hand on skim milk, but when taken sick put it with the cow. It sucks all night, but refuses to eat anything, and is very poor; has had a bad cough for a month; sometimes stops sucking to cough; it will stand sometimes an hour with mouth partly open and breathe rapidly. Have cleaned out several times with salts.—J. E. MCGUIRE, Gatesville, Texas.

ANS.—The calf is probably troubled with lung worms. Try one-half per cent solution of creoline injected into thetrachea with a hyper-dermic syringe.—FRANCIS.

I hand you herewith two samples of grass, both having been green during the greater part of last winter, and both now in bloom, as you perceive. I would like very much to find out their true names and the respective value.—H. GRESSER, Fayetteville, Texas.

ANS.—The No. 1 is Elymus Virginicus of the botanists, commonly called Wild Rye, a very nutritious grass for winter grazing, but only does well in bottom lands, along creek banks, etc. As soon as it gets into the seed stalk, however, the stock that eat it so ravenously desert it for the more succulent herbage that puts up in the early spring. It is truly wild, and I do not think could be handled as a tame grass. In its matured state it seems to be utterly rejected by all classes of stock. The No. 2 is a grand grass, a winter annual, commonly called the American Canary grass, but best known to the botanist as Phalaris intermedia. It is a splendid winter grass, easily tamed, grows kindly anywhere, on poor or rich soil, high or low; extra good for early spring grazing, and, being an annual, must be undisturbed long enough in the spring to mature seeds before cutting. A mixture of Rescue (Bromus unioloides) and this grass will make a splendid spring pasture almost any where in Texas.—GEO. H. HOGAN, Ennis, Texas.

I send you sample of a kind of grass spreading rapidly in this country. Please name it and give value.—E. B. JONES, Stephenville, Texas.

ANS.—The enclosed sample is the Hordeum nodoseum of the botanists. It belongs to the barley family, does not grow very high, is an annual winter grass, relished by most domestic animals in early winter, but as soon as it begins to put seed heads it becomer bitter and acrid to the taste and consequently is never relished and seldom eaten by animals after it begins to mature. I have had it for years and it makes a good variety for lawns, in connection with some other grasses which are always sweet and never get bitter; it is more of an ornament than a useful winter grass. —GEO. H. HOGAN. Ennis, Texas.

I have several acres of timber, cut down and piled up, which I intend to set on fire as soon it will get dry enough to burn, as I intend to plant a fall crop of Irish potatoes. Some of my neighbors tell me if I set it on fire in summer, that it will heat the soil to such extent that I would make a failure of the fall crop, no matter how favorable the season would be, while others tell me that burning it in the summer dont interfere with my fall crop. Would you kindly advise me through your valuable paper what to do?—D. C. WILSON, Ethel, Louisiana.

ANS.—The writer once utilized for potatoes about 225 square yards that had been the family wood pile for 15 years. The chips were 6 inches to a foot deep, and were piled and burned during Christmas week, and potatoes planted in March, and the crop was very heavy. Great heat undoubtedly injures the soil, by destroying its vegetable matter, and dissipating its chemical constituents, leaving potash and other salts as a partial compensation. Would not hesitate to burn off plow deeply, fertilize, and plant potatoes, and hope to gather liberally in the fall, weather permitting.

Please tell me through your valuable paper what will take lice off a horse without bringing the hair.—R. W. WOOD, Arkadelphia, Clark Co., Ark.

ANS.—Wash with kerosene emulsion or any good sheep dip.—ED.

Can you or any of your readers tell me the best clover for a grove? What about Burr Clover? Would it grow among post oaks?—JOHN MITCHELL, Franklin, Texas.

ANS.—Do not believe any clover will give satisfaction in the situation you mention. Burr clover would come nearer doing so than any other, as it makes its growth in winter and early spring.—ED.

Please let me know what the price of six-foot wool sacks is. I wish about ten. Also let me know the price of wool twine.—F. CORNELIUS, 5F Ranch, Texas.

ANS.—See advertisement of Silberman Bros., 112-114, Michigan Avenue, Chicago, and address them for prices of sacks and twine.—ED.

I would like to know the milk and butter record of both the Holstein and Jersey cattle. Please answer through your valuable paper and oblige—E. E. REAGIN, Forney, Texas.

ANS.—At the famous World's Fair test, 25 Jerseys tested for 90 days averaged, of milk 32.66 pounds per day; and of butter 18.90 pounds per week. Twenty-five Holsteins, at Clifton Stock Farm, Dallas, Texas, tested 7.3 gallons of milk per day, and of butter a fraction over 19 pounds per week. Each breed has made much better records than these.

Please inform me through your excellent paper, TEXAS FARM AND RANCH, if towns or cities have a right to enlarge their territory and take in farms and farming lands, and force owners to pay city taxes on the farms and all stock he may have on the farm? I have heard that a test case was tried by some one in the Oak Cliff addition to Dallas. Please give me particulars as to who gained the suit or refer me to where I can get the information.—G. W. L. ROBERTSON, Comanche, Texas.

ANS.—The statutes provide that whenever two-thirds of the qualified voters in a district adjoining any incorporated town, not more than one-half mile wide, shall vote in favor thereof, such district may become a part of such incorporated town. A minority objecting can institute suit before the fact by injunction, or after the fact by quo warranto, the result being, like most suits at law, uncertain. Rural districts can be added to cities or towns by act of the legislature, and this action is final. Oak Cliff is not an addition to Dallas, but a separate corporation. Its first charter was declared null and void because it embraced several square miles of farming and grazing land, in no way necessary or pertaining to the city.—ED.

Be so kind as to tell me when and just how to plant and raise navy beans. There are two kinds, the large and the small. Which of the two is the best for Texas, when to plant, how to cultivate and when to harvest?—J. W. ALLISON, Dan, Wise county, Texas.

ANS.—There are several varieties of field beans commonly known as Navy beans. They have not been experimented with sufficiently to determine their relative adaptability to Texas. They should be planted after all danger of frost is past, in rows three feet apart and in hills eighteen inches apart, thinned to two or three stalks, and cultivated with shallow sweeps or hoes, only when the foliage is dry. The land should be rich enough to bring thirty-five bushels of corn per acre. Harvest as soon as the first pods become fully ripe, and thresh when convenient.



Five World Beaters.

"SICKLES" BRAND HARNESS.

All genuine stamped with this "Trade Mark." Made in five styles at $6.50, $9.00, $10.00, $15.00 and $25.00 per set complete. The best harness for the money on the market. *Ask your harness dealer for them.* Manufactured only by J. B. Sickles Saddlery Co., St. Louis, Mo.

DONT WALK.

Get there quicker on a TEXAS FARM AND RANCH—best road wheel on earth—Bicycle.

"SICKLES" HARNESS.

A very novel and unique Trade Mark will be noted in this issue of TEXAS FARM AND RANCH (a pair of Sickles) as it not only stamps the fine styles of harness which bear this mark with the brand of authenticity, but it reflects the principal name in the firm manufacturing them, viz.: the J. B. Sickles Sadlery Co., St. Louis, in a manner all will understand. At the same time it will impress everyone with the fact that this line of goods is the best obtainable, and they are the product of the oldest firm in this line of business west of the Alleghaney Mountains, and are guaranteed by them.

The prices are low for the quality of the goods, and buyers who wish to have a good harness for a fair price, should see this line at their dealer's, always being sure to note the Trade Mark of the pair of "Sickles" stamped on the leather, without which, none are genuine.

A SPOILT BROTH

Results from an unnecessary number of cooks, so they say, and it's equally true that a despoiled customer is the product of too many price-swelling, commission-getting agents. Two people—and only two—ought to be concerned in every sale that amounts to dollars: the maker and the buyer. In this case the maker profits just as well, and the buyer a hundred times better. The Elkhart Carriage and Harness Manufacturing Co., of Elkhart, Ind., do business on this principle, much to their own credit and to the benefit of the thousands who annually patronize them.

This company has issued a large and handsome catalogue, descriptive of their carriages, wagons, harness, bicycles and special agricultural implements, which is full of interest to all of our readers. Mr. W. B. Pratt, Secretary, will gladly send this work to all applicants enclosing four cents for postage.

The Texas Disc Plow Company is a new firm, but made of "old and well seasoned timber," for the purpose of manufacturing and selling the Hancock Rotary Disc Plow, which they claim is to supercede all other means for upturning the soil of the south. C. A. Keating is President, and H. S. Keating, Secretary. Among the testimonials the company has on file, we copy the following from H. B. Hearne, of Hearne, Tex.:

HEARNE, TEXAS, March 31, 1894.

KEATING IMPLEMENT AND MACHINE CO., Dallas, Texas:

Gentlemen—I have been using twelve of the Hancock Disc Plows in breaking land this season. I consider them far superior to any plow that I have ever tried in any soil, either waxy or sandy, for breaking. They will do good work where no other plow will. They turn under corn stalks and anything that may be on the land without choking or dragging, as they cut everything as they go.

Yours truly,

(Signed) H. R. HEARNE.

PROF. W. R. SMITH.

President of the Commercial College of Ky. University, Lexington, Ky.

Leader, Lexington, Ky.

Prof. Wilbur R. Smith has been for 17 years President of the renowned Commercial College of Kentucky University, Lexington, Ky., whose qualification as a practical educator is thus endorsed by the Hon. J. M. Samuels, Chief of the Horticultural Department of the World's Columbian Exposition: "Prof. Wilber R. Smith, of Lexington, Kentucky, is a gentleman of character and ability, as shown by the different positions of honor and trust to which he has been called. For over 20 years he has been a successful business educator—17 years as President of the Commercial College of Kentucky University, of which I am a graduate. He is a World's Fair Commissioner, from Kentucky, also President of the Chamber of Commerce, and Vice President of a National Bank, a former Director of a Safety Vault and Trust Company, and for years a practical Accountant, renders him especially qualified. Read advertisement of this College, and write to Prof. Smith for circulars.

Captain John G. Bourke, U. S. A., the Indian fighter, who has for many years been familiar with our Mexican border, will have, in the May Scribner, a stirring article on the romance and history of the whole Rio Grande region. The abundant illustrations are by Gilbert Gaul, who has recently made a journey to the Rio Grande for Scribner's Magazine.



Gents' or Ladies' size.

FREE Send us your full name and address and we will send you a box of our finest 10c cigars, retail value $5.00, for $2.98. In order to introduce this brand we will send you FREE this elegant watch, stem wind and stem set, gold finished, beautifully engraved and equal in appearance and as good a time keeper as the average $25.00 gold filled watch. We send the 50 cigars and watch together C. O. D., cost only $2.98. You examine them at the express office and if satisfactory pay the agent the amount and they are yours. Write to-day. Mention whether you want ladies' or gents' size watch. Address,

THE NATIONAL MFG. & IMPORTING CO., 392 Dearborn St., Chicago, Ill.

YOUR NEEDS

Can be supplied by us at wholesale prices, thus saving you many dollars during the year.

WE WANT

to supply you with nearly everything you need for your home, such as hardware specialties, butcher's supplies, tools, knives, barb wire, wire netting, weeders, tents, wagon sheets, etc., etc. Write for our illustrated catalogue and make money by getting up a club in your neighborhood. Reliable agents wanted at once in every county. Address

CAMP'S SUPPLY CO.,
KANSAS CITY, MO.

Refer by permission to TEXAS FARM AND RANCH.

THE CLIPPER FIRE EXTINGUISHER.



This machine generates a Chemical Compound that is death to fire.

It is the only reliable invention that **will protect against fire at moderate cost.** It has been endorsed as entirely practical by **leading Insurance Companies and Fire Departments** and **adopted by many leading manufacturers** as the cheapest and best protection.

SAFE, DURABLE, CHEAP.

No man in business who has his best interests at heart can afford to be without it, while for Ginners it is absolutely indispensable. So simple that it can be worked by man, woman or child.

Guaranteed as represented or money refunded. Circular free. Address the manufacturers,

PARLIN & ORENDORFF CO.,
DALLAS, TEXAS.

PLOWS, PLANTERS,

CULTIVATORS, HARROWS.

New and perfect line. Avery's old reliables besides. Racine Wagons and Buggies. Send for Catalogues.

B. F. AVERY & SONS, Established 1825.
DALLAS, TEXAS. - - - FORT WORTH, TEXAS.

The "CHANCELLOR" BREWSTER SIDE BAR BUGGY

Absolutely the **BEST BUGGY** *for the money ever placed on the market.*



Has No. 1 machine buffed full leather top and back curtain, a great improvement over the old style. Brewster fastener on back stays, Rubber Storm Apron, silver plated joints, silver plated bead around boot, silver plated Seat Handles, silver plated Dash Rail, silver plated Hub Bands, Sarven Patent Wheels bolted between every spoke, furnished with our patent fifth wheel, by which king bolt does'nt pass through the axle. In workmanship and finish it can not be duplicated in the market and supplies a long felt want for a full trimmed buggy at a moderate price. **Write for Special Price.**

We carry over 500 Vehicles in stock of all kinds, and are *Headquarters for Harness.* We also carry a full stock of HAY PRESSES, BALING TIES, SWEEP AND SULKY RAKES, MOWERS, THRESHERS, TRACTION ENGINES, SORGHUM MILLS AND EVAPORATORS. WRITE US FOR YOUR WANTS. Address

PARLIN & ORENDORFF CO.,
DALLAS, TEXAS.

TEXAS FARM AND RANCH

VOL. XIII.—No. 17. DALLAS, TEXAS, APRIL 28, 1894. WEEKLY $1 A YEAR, 5c. a Copy.



KING OF THE MORGANS.

The cut on this page is a lively illustration of the celebrated Morgan stallion, Herod, 2:24½, at the age of twenty-eight years, with four of his colts. Herod is the property of M. T. Gratton, Preston, Minn., and is recognized as king of the Morgans. He is the sire of Michael, 2:28½; King Grover, 2:28½; Kenoma (pacer), 2:23. He is the grand sire of Nubbins, 2:23¼; Dark Night, 2:25½; Meteor, 2:28. He is the great grand sire of Nix, 2:22½, and Clifford K. (3-year-old), 2:29¼.

EFFECT OF CLIMATE ON SHEEP.

Wool and Hide Shipper.

Stephen Powers says: I lay down the broad proposition that any part of the United States is healthy to any breed of sheep, if they are properly acclimated and cared for. It is soil and water that sicken sheep—not climate. A flock may be moved a thousand miles south with less injury than they can be transferred suddenly from limestone water to freestone water, or from an argillaceous soil to a silicious one. But of course an animal moved several degrees of latitude should be moved at a season of the year when it can become accustomed to the change in temperature gradually. It used to be thought, and was taught by Dr. Randall, that a hot climate had a tendency to coarsen the fiber of the wool, but the best modern teachings do not sustain this opinion; at least it has been proved in Texas and California that, other conditions being equal, as fine wool can be grown in those hot climates as elsewhere in the Union.

Tennessee Farmer: Summer butter rules higher than formerly and winter butter lower. Cold storage tends to equalize the price, and bogus butter also hammers down high prices in winter.

I like TEXAS FARM AND RANCH better every day.—R. S. SEARLE, Temple, Tex.

Correspondence.

TO CURE COLIC.

PARVIN, Denton Co., Texas.

Editor Texas Farm and Ranch:

If Mr. J. H. Drinkard, Lohn, McCulloch county, Texas, should ever have another horse to have the colic and will give him one-half ounce of chloroform mixed with a pint of raw linseed oil, I think he will be pleased with the result. If the first dose does not give relief in thirty to forty minutes, repeat the dose. This is no "quack" remedy but has the merit of common sense. The chloroform will relieve the pain and the oil remove the cause. Ask Dr. Folsetter about it. D. J. HYNDS.

NUTS FOR OUR ANTIPODES.

STONY CREEK STATION, South Gibbsland, Victoria, Australia.

Editor Texas Farm and Ranch:

Your paper is certainly very interesting and instructive in nearly all farm work, but I cannot find anyone who has some of the different varieties of nuts for sale, viz.: shagbark and shellbark hickory, black walnuts and butternuts, etc. If any of your subscribers can send these cheaply for an experiment, I might be able to do a live business annually. Can you recommend any one? Hoping you will not think me impertinent in addressing you thus, yours respectfully,

N. R. DIKE.

[Can any reader of TEXAS FARM AND RANCH give the information desired?]

ROOT ROT AND ROOT KNOT.

The following article was intended for Orchard and Garden Department, but was received a few hours too late; hence we make room for it here.

SHERMAN, TEXAS.

Editor Texas Farm and Ranch:

The root rot or root blight, found on the roots of cotton, sweet potatoes, apple and some other trees, is well known in most parts of Texas, and most prevalent on the black waxy soils, and was fully investigated and reported upon by Prof. Pammel, in connection with the Texas A. M. College some years ago, but it is very distinct from the Anguillula or root knot or knotty rot, which affects the roots of peach, mulberry, fig, etc., which covers the roots, large and small, with bead like knots, rotting the roots

The only specimens of this I have ever seen were at the Texas A. & M. College, sent there by Mr. Falkner, I think, and perhaps others. Also saw similar specimens at Rockport last spring, and at H. M. Stringfellow's, at Hitchcock, Texas, recently. This is being reported as a terrible disease, and was fully investigated and reported upon by the Agricultural Department, at Washington, a copy of which report I have examined. This terrible disease demands the closest watching and severest measures to eradicate it and prevent its spread. It seems to prefer deep, moist, sandy soils.

There seems to be another root knot on peach, plum, and perhaps apple trees, appearing in large lumps on the top or main roots, and even above ground on the trunk of young trees. I have seen this here and elsewhere, coming on young trees the first year from seed. I have not yet seen any trees die from it. I think it must be different from the Anguillula.

I saw what appeared to be both kinds, or diseases on roots of trees dug up by President Stringfellow, at Hitchcock. He had dug up thousands of peach and Marianna plums, one and two years old, and was destroying them.

Who will show us remedies?

JNO. S. KERR.

THE SALT OF THE EARTH.

HEIDENHEIMER, TEXAS.

Editor Texas Farm and Ranch:

In this beautiful land of ours, where the rich and poor, those who have plenty and to spare, and those who have nothing, and are hungry, I ask, is there a man as well fixed and as comfortable as the farmer? Really, is he not like a monarch, head and shoulders over all other professions? Has he not the fat of the land, the first fruits of Nature's good hand? Does he not supply his wants and those of his family before going to market and selling what he has to spare? Is there a farmer in all this land hungry? While there are men of other occupations richer, there are thousands of others hungry. Is there any class as well contented as the farmer? Where is the occupation that can produce what the farmer does, when he plants a grain of wheat and by the blessings of God it brings forth a hundred fold; a grain of corn, and it produces an ear, and so on, till he fills the granary and feeds the world. There is no other trade that comes in so close a relation with God as the farmer. He plants the seed and has faith it will come up and mature. Everything that is done in relation with farming is done in faith. See that grand coacher as he draws his load of human freight, and that fine pair of mares drawing that load of fleecy staple, to prepare it to clothe the world. Who would deny himself of the comfort of that grand cow that the farmer has brought to her present perfection, to supply his family with both milk and butter? And behold that grand porker as he goes from the farmer's yard contentedly on his mission to feed the hungry; and that beautiful flock of poultry—see, they are all alike; they must belong to the same family. They add to the comfort of the farmer's family in supplying the table with fresh eggs and good and tender meat.

No man can be an unbeliever and be a farmer, for it takes both faith and good judgment, with the blessings of Nature's God, to bring forth best results. Now, Mr. Editor, who has a better right to be happy and contented than the farmer? Truly, we have a goodly heritage, and say with David, our lines have fallen in pleasant places. Who would not be a farmer? Let no man say "Poor old farmer." B. F. WEDEL.

THE BRICK HIT HIM.

FORT WORTH, TEXAS.

Editor Texas Farm and Ranch:

In my second article of the discussion with Mr. J. B. Bass, I made mention of the fact that the fine fruit displays at the Smith County Fair were budded fruit, and that at all other county fairs in Texas I found only budded fruit on exhibition. As Mr. Bass lives in Smith county, he tries to excuse the absence of his fine seedlings from the county fair by saying, "the fair is run by, and in the interest of a few nurserymen."

Now the above charge is not a fact, and is as unjust as it can be. I go to all county fairs in the state, and the Smith County Fair is as good and ably managed as any of them. They show cattle, hogs, horses and poultry. The local manufacturers make exhibits, and so do the merchants. The ladies show flowers and large displays of same, and [illegible] exhibits, and farmers from Smith, Cherokee, Henderson and other counties make their individual farm exhibits. The fruit displays are made by all kinds of people, and from all over the county. The catalogue shows the same liberal offer of premiums as other county fairs, and no preference to anyone. It is managed by the people of Tyler, and in all my travels over Texas I have never met a more liberal, honest and fair people than the people of Tyler. Our State Fair owes more to the people of Tyler when it comes to universal patriotic interest than to any other town. The fact is, Mr. Bass cannot raise seedling fruit that will show against budded fruit, even in his own county, and when I so intimated the brick hit and he yells.

As I was the innocent cause of this charge being made against the Smith County Fair, I hasten to state that it is entirely without any foundation, in fact. E. L. HUFFMAN.

A FRIEND OF HUMANITY VS. DOGALITY.

PILOT POINT, TEXAS.

Editor Texas Farm and Ranch.

As I have been assaulted by the canine tribe, with General Green in command, I have either got to take to the brush or stand like a man and fight for my country and humanity. I prefer the latter.

If you will notice, Mr. Green, I never proposed to have the dogs exterminated by letter, but by war implements. I never knew dogs were first-class company before you told me. If happiness consists of dog association, I am deprived of that enjoyment. Yes, I suppose your beagle would make my hair rise, for it always does to hear dogs bark and howl, and I am convinced your neighbors appreciate such music very much (that is, when your dogs are asleep.) My happiness is of a higher degree. I have friends, a wife and a sweet little girl to associate with, which is elevating, morally, socially, and intellectually; not so with dog company. I wish also to call your attention to the account of a horrible death, just following your letter in TEXAS FARM AND RANCH, of a 12-year-old girl being killed by three dogs. Another paper states she was so mangled as to be almost past recognition. This occurred on April 6th, and on April 11th one Charles Helenze, who was trying to kill a savage beast, was himself killed in the same neighborhood. Two deaths in five days from the keeping of those grand old first-class specimens you speak of. Now do you not know the lives of these people were worth more than every dog in existence? You are bound to speak in the affirmative.

Now, Mr. Green, just walk up and confess to the noble family of our grand old TEXAS FARM AND RANCH that you were wrong and wish to set yourself right before them, and I will assure you they will commend you for so doing, or why did you not reply to Mr. Steubenrauch? See what he says: One man had to be chained to a tree to prevent injuring his family, and expired under terrible agonies. He had been bitten by one of those noble characters.

With best wishes to all, I remain a friend of humanity, D. DAVIS.

WHO CAN ANSWER?

SEALEY, TEXAS.

Editor Texas Farm and Ranch:

Can anyone suggest a remedy to me to rid my cattle (Jerseys) of the (what I call) horn flies? They give them no rest, settling on the top of shoulders and sides until the animal is black with them. I should be very grateful for a tested remedy. Let us hear from other breeders about this pest. They made their first appearance here last summer.

MRS. VADA G. KIDD.

STATE IRRIGATION—NO. 3

The Antiquity of the Use of Irrigation.

DALLAS, TEXAS.

Editor Texas Farm and Ranch:

The use of irrigation for the production of crops probably ante-dates Noah's deluge by several thousand years. In Plato's Timæus, is an account of the sunken island of Atlantis. This account Plato obtained from his ancestor Solon, the law giver, who had visited Egypt, and in the city of Sais obtained the information from an Egyptian priest. Solon lived about 2500 years ago, and, according to the story told him by the priest, there existed about 10,000 years before his time a large island in the Atlantic ocean, opposite the Pillar of Hercules, (Strait of Gibralter) which was divided into [illegible] kingdoms and ruled by the decendants of Poseidon. The description of the island is very minute, and among other things also describes one very extensive and elaborate system of irrigation canals, constructed in such manner as to utilize every natural stream and completely surround the island. While the history of Atlantis is by many regarded as a myth, there are too many facts actually in existence to warrant any such conclusion. According to this record, irrigation was in practical use fully 12,500 years ago, and yet a prominent Populist from Shackelford county recently told me, that he had no use for new-fangled schemes for growing crops, grunting at the same time about the short crop grown last year.

Mr. Frederick S. Gipps, C. E., in 1887, read a paper before the Royal Society of New South Wales, on the extent and importance of ancient water supply and irrigation works. Among the many interesting works of the ancients, described in this paper, are also the following:

The first artificial lake of which there is any reliable record is Lake Moeris, in Egypt. The historians, Herodotus, Diodorus and Pliny, have described it, on the testimony of the inhabitants of the country, as one of the noblest works of the time, from its enormous dimensions and its capacity for irrigation for the benefit of mankind. According to them, it was about 3,600 stadia, or 413 miles, in circumference and 300 feet deep. Modern travelers have considerably reduced the circumference and depth of this lake, making it measure somewhat less than fifty miles in circumference, but, even with this curtailment, it must have been a magnificent engineering work, worthy of the admiration of all the ages. It was constructed, some historians say, by King Moeris, others, by King Amenemhet, in the 12th dynasty, 2084 B. C.

Sesostris, one of the most illustrious kings of antiquity, who reigned in Egypt 1491 B. C., had a great number of canals cut for the purpose of trade and irrigation, and is said to have designed the first canal which established communication between the Mediterranean and Red Sea.

The Assyrians were equally renowned with the Egyptians, from the most remote periods of history, for their skill and ingenuity in the construction of hydraulic works. Through the foresight, enterprise and energy of their rulers, they converted the sterile country in the valleys of the Euphrates and Tigris, into a fertility which was the theme of wonder and admiration of the ancient historians. The country below Hit, on the Euphrates, and Samarra, on the Tigris, was at one time intersected with numerous canals, one of the most ancient and important of which, called the Nahr Malikah, connecting the Euphrates with the Tigris, is attributed by tradition to Nimrod, King of Babel, 2204 B. C., while other historians assert that Nebuchadnezzar constructed it.

Among the ancient works at Babylon was a lake 42 miles in circumference and 35 feet deep, to store the flood waters of the Euphrates, and distribute them for irrigation. The Nahrawan canal, taken from the Tigris River, was over 400 miles long, and varied in width from 250 to 400 feet, and by numerous branches on both sides it irrigated a very extensive area of country, whilst at the same time it was also available for navigation. With the destruction of Babylon, the glory of the empire departed, the canals were neglected, and the country, described by Herodotus as being prolific before all other lands in its production of corn, wheat and barley, has become so dry and barren that it cannot be cultivated.

The remains of reservoirs in the neighborhood of Hebron, which the Jews are supposed to have constructed in the days of Solomon, for the supply of Jerusalem, show that their designers were equally alive with most engineers of the present age, to the great importance of an ample and constant supply of pure water.

The Phœnicians, in the zenith of their power, were celebrated for their canals, both for the supply of Carthage with drinking water, and for purposes of irrigation. Agathocles, the daring, but unfortunate Syracusian general, who thought by his invasion of Africa to raise the siege of Syracuse, left this record of his disastrous invasion; that "the African shore was covered with gardens and large plantations, everywhere abounding in canals, by means of which they were plentifully watered."

The Greeks, judging from the views of large acqueducts scattered throughout their country, appear, from a very remote period, to have paid the greatest attention to hydraulic science. Herodotus describes an ancient conduit for supplying Samos, which had a channel three feet wide and which pierced a hill with a tunnel nearly a mile long. Another masonry acqueduct, near Patara, crossed a ravine 200 feet wide and 250 feet deep.

In the reign of Emperor Nero, Rome was supplied by no fewer than nine large conduits, having an aggregate length of 255 miles, which delivered over 173,000,000 gallons daily. Afterwards the supply was increased to 312,500,000 gallons daily. Most of the Roman works were constructed for the supply of cities with drinking water, and such were built in all countries under Roman control.

China is equally celebrated with Egypt for the great antiquity of its numerous canals. The Great or Imperial canal is one of the most stupendous works of ancient or modern times. It is 650 miles long and connects the Hoang-Ho and Yang-tse-Kiang rivers. It is available both for navigation and irrigation, and, together with its numerous branches, irrigates an immense area of country, thus affording millions the means of livlihood and support.

Immense tanks or reservoirs and irrigating canals appear to have been constructed in India many centuries anterior to the advent of Christ, and some of them are probably equally as ancient as the Egyptian canals.

On the American continent, the use of irrigation is of unknown antiquity. Parts of Arizona and new Mexico were at some remote period densely populated and then abandoned. Quite extensive systems of irrigation canals of prehistoric origin have been found on the Colorado river, and parts of them have been adapted to the modern canals. Similar ancient works are said to exist along Salt River and the Rio Grande and the Pecos.

Before the Spanish conquest, the Aztecs had very complete facilities for irrigation, and the Peruvian works were of such magnitude as to astonish the Spanish marauders who conquered

THE TRUST AFTER NO-TO-BAC.

Estimated That Half a Million Tobacco Users Will be Cured in '94 by the Use of No-To-Bac, Causing a Loss of Many Millions of Dollars to Tobacco Manufacturers.

CHICAGO, March 12.—[Special.]—It was reported to-day that a large sum of money had been offered the proprietors of the cure for the tobacco habit called "no-to-bac," which is famous all over the country for its wonderful effect. This offer, it was said, was made by parties who desire to take it off the market and stop its sale, because of its injury to the tobacco business. Mr. H. L. Kramer, general manager of the no-to-bac business, was interviewed at his office, 45 Randolph street, and when questioned, promptly said;

"No, sir; no-to-bac is not for sale to the tobacco trust. We just refused a half million from other parties for our business. Certainly no-to-bac affects the tobacco business. It will cure over a half million people in 1894, at an average saving of $50, which each would otherwise expend for tobacco, amounting in round figures to $25,000,000. Of course tobacco manufacturers' and dealers' loss is the gain of the party taking no-to-bac. Does no-to-bac benefit physically? Yes, sir. The majority of our patients report an immediate gain in flesh, and their nicotine saturated systems are cleansed and made vigorous. How is no-to-bac sold? Principally through our traveling agents. We employ over a thousand. It is also sold by druggists, wholesale and retail, throughout the United States and Canada. How are patients assured that no-to-bac will effect a cure in their case? We absolutely guarantee three boxes, costing $2.50 to cure any case. Failure to cure means the money back. Of course there are failures, but they are few, and we can better afford to have the good will of an occasional failure than his money.

We publish a little book called, 'Dont Tobacco Spit or Smoke Your Life Away,' that tells all about no-to-bac, which will be mailed free to anyone desiring it, by addressing the Sterling Remedy Company, 45-49 Randolph street, Chicago.

A GOOD CHEAP ROOF.

Economy in roofing as well as everything else has become necessary during the last few months of hard times. A good roof is a necessity and the cheapest roof made for barns, sheds, out houses, poultry houses, under roofs of sod houses, etc., is the Red Rope Roofing advertised by the W. E. Campe Rfg. & Mfg. Co., of Kansas City, Mo. It is strong and durable, absolutely waterproof, and has been in use for the last seven years with entire satisfaction. It only costs $1.50 per 100 sq. ft., (including paint) and the freight is paid to your railway station.

DONT WALK.

You are neither too long, too short, too heavy, nor too light, to ride a TEXAS FARM AND RANCH—best road machine on earth—Bicycle.

FARM LANDS A SPECIALTY.

10,000 acres of rich Grayson County black land and 20 improved farms for sale on terms cheaper than rents. Low prices, easy terms, small interest. Write, or come and tell me just what you desire.

J. F. EVANS, Sherman, Texas.

50,000 Acres Red River Farms.

Lands in Montague and Clay counties for sale in small or large tracts. For prices, terms and general information write VERNE & GORDON, Ringgold, Montague Co., Texas.

FOR INFORMATION

About Calhoun County and Southern Texas, the "New California," address the *Port Lavaca*en, Port Lavaca, Texas, for sample copy. Southern Texas possesses wonderful possibilities of soil and climate, and attracts wide attention. The *Lavacan* will be replete with information for the home-seeker.

A Fine Body of Land

FOR SALE AT

ONE-HALF ITS REAL VALUE.

We have for sale 4900 acres of fine agricultural land in Parker county, Texas, seven miles southwest of Weatherford. There is 1000 acres Brazos river bottom land, 2500 acres black prairie land, balance somewhat broken, but good pasture land. It is all inclosed with good wire fence, has two farm houses, 200 acres in cultivation, several living springs of pure water that never fail, and fine grass. A large quantity of hay can be cut upon it each year. This is an excellent place to feed stock, and when not wanted for that purpose can be subdivided into small farms and sold at a good profit. On account of a mortgage loan upon it, which is due, the owner will sell very cheap. For price and terms write or call upon

CASWELL BROTHERS,
Fifth and Houston Sts. **Fort Worth, Tex.**

1535 ACRES FENCED

And watered pasture, in Frio county, for sale or lease. Apply to R. PETERSON, Paris, Texas.

Texas Co-operative Land and Colonization Company. We find the buyer, you do the selling. Do you ask, "What do you mean? How will I get a chance to sell to them? What commission?" If you have Texas land for sale, all of these questions and more will be answered by addressing McGARY, GILLESPIE & MILLS, Box 231, Houston, Tex.

LANDS, LOANS AND ABSTRACTS.

I do a general business in the above lines. Safe investments made. Parties seeking homes or investments would do well to communicate with me. All correspondence given special attention.

P. W. HARRISON, Paris, Texas.

SOUTH TEXAS Prairie, Fruit and Timber LANDS

FOR SALE in all parts of Southern Texas. Also several fine plantations in Brazos Bottom. For particulars address **J. C. S. MORROW & CO., 512 Main St., Houston, Texas.**

Come to the Gulf Coast

And settle in the best and most prosperous section in Texas. We have health, the best farming and fruit section in America, and cheap lands for everybody. Be sure and write us for maps, pamphlets and price lists. CASH & LUCKETT, 306½ Main st., Houston, Tex.

DO YOU WANT A FARM?

The Kickapoo Country, Oklahoma, (garden spot of the world) will be opened to settlement soon. For particulars read the "Oklahoma Farmer," $1.00 a year. Oklahoma City, O. T.

Pleasant Bayou Rancho Lands For Sale.

31,540 acres to be divided to suit purchasers. Never before offered for sale. Prices the lowest and terms the most reasonable. Prairie lands with timber and navigable waters. Address PLEASANT BAYOU RANCHO LAND OFFICE, Alvin, Texas.

THE GULF COAST COUNTRY.

Do you want a home in the garden spot of Texas, amid fruits and flowers, where health is perfect and the climate unsurpassed? Rich and fertile soil, and sub-irrigated and bountiful rainfall. Call on or address TOLAR & McGINTY, Alvin, Texas.

THE TEXAS COAST is being settled more rapidly than any part of the U. S. Rainfall is ample. This is the home of the pear—over 35,000 being realized on 13 acres. This is unsurpassed for strawberries, early vegetables, cotton, sugar cane. For more information write to

RICHARDSON & SHIRLEY, Alvin, Texas.

CHEAP PANHANDLE LANDS.

For good land at $1.50 to $4 per acre, write to the undersigned and state what you want. Improved and unimproved. 37 residence lots for $370.

M. F. BEAUMONT,
Hartley County, Texas

PHILADELPHIA, PA., AND VICINITY.

Rents, interest and claims of all kinds collected. Estates settled and attended to. Insurance Notary Public. Copies of Wills, Deeds, Deaths, Marriages, etc., furnished.

THOMAS M. CARLIN, Attorney-at-Law,
608 Chestnut St., Philadelphia, Pa.

For Sale or Trade.

2341 acres good black waxy and black sandy land in Tarrant county, on Rock Island and Denver R. R., near stations; 600 cultivated, 6 houses, two deep wells. Price, $12.50 to $25, according to selection; rented now. Easy terms. Good female cattle taken for one-fourth the amount of purchase.

S. O. MOODIE, Fort Worth, Texas.

A HOME CHEAP.

Don't rent. Buy a home. Good black land homes to sell at from $12.50 to $25 per acre, on long time. Western lands cheap. Apply to

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Box 464. FORT WORTH, TEXAS.

TO FARMERS.

We have for sale improved and unimproved farm and ranch property in Erath, one of the leading agricultural counties of Central Texas. For sale cheap and on easy payments. Do not buy until you see our descriptive price list, which will be sent free on application. Address

Journal Real Estate and Investment Bureau,
W. R. McCLELLAN, Mgr., Stephenville, Tex.

Homes for Everybody

And Soil and Climate Unsurpassed.

We can supply you with what you need. Easy terms. Write us before locating or investing. Information about lands, etc., cheerfully and promptly furnished.

J. R. JETER & CO., Houston, Texas.

Tarrant County Farm

Of 207 acres, 7 miles west of Fort Worth, on gravelled road, valley land prairie, good black and chocolate soil, all fenced, 107 acres cultivated, small house, shed, crib and well. Price, $20 per acre. Same land in Lamar, Fannin, Collin and other thickly settled counties sells for $30 per acre. Send for my illustrated circular about Tarrant County and the Fort Worth Packing House, Stock Yards and Flour Mills.

S. M. SMITH,
Board of Trade Bldg., Fort Worth, Tex.

Come to THE TEXAS COAST! HOUSTON, THE BANNER CITY OF TEXAS!

Money judiciously invested in Houston or surrounding country will double in 12 months. For this reason it will pay you to hustle for a home in this beautiful and healthy Coast country now. No failures in crops! No drouths! No irrigation! From 10 up to 50,000 acres of the best cotton, corn, fruit and vegetable land in Texas for sale. I make a specialty of locating large colonies of all nationalities. Write for printed matter, etc. O. M. PUDOR, Land & Immigration Agent, P. O. box 144, Houston, Texas.



ALCOTT & MAYNOR,

DALLAS, TEXAS.

ORGANS,

Hardman, Gabler and Schubert Pianos.

Write for prices and terms. We will save you money.

MACHINERY DEPARTMENT

KEATING IMPLEMENT & MACHINE CO.,

DALLAS, TEXAS.

Manufacturers' State Agents for **FARM, GIN AND MILL MACHINERY.**

Cotton Ginners, please note that we make Cotton Gin Machinery a Specialty.

Having carefully watched the progress of improvements and the demands of the Gin House, adopting only that which by practical tests in the Gin House has proven the most reliable, we are now able to offer you

The Most Simple, Reliable and Effective System,

giving better net results than any other on the market. In support of this claim we have in our office for inspection many letters from prominent practical ginners reporting on the work of our machinery in detail, and also as a complete system; and futhermore 3 diplomas awarded at the late State Fair, after actual trial with other leading systems, by a careful and practical Committee, covering the following points:

1st. For the most complete system of handling, cleaning, and ginning cotton from wagon to press, but not to include press.

2nd. For best leveling, distributing and feeding system for battery of gins.

3rd. For the best gin for upland cotton.

Our Eagle Cotton Gin Co. received SIX AWARDS at the World's Columbian Exposition, Chicago, in competition and actual tests with one of the oldest and leading systems of the country. Among the awards was one for

"A complete system for elevating, distributing, cleaning, feeding, ginning, condensing and conveying cotton from the bin or wagon to the press. A new and novel device, showing marked advancement in preparing cotton for the market."

For the following reasons:

1st. It has superiority and rapidity of work.

2d. Superiority in turn-out or yield of lint.

3d. Superiority in sample or quality of lint, as was demonstrated in test made August 7, 1893.

We have our **MODEL GINNERY** in actual operation here in Dallas, for the personal inspection of all who may favor us with a visit, or can refer those who are unable to visit us here to our customers in different sections of the state who are using our New System.

We have a competent corps of salesmen in the field, one of whom we will send on application, or will furnish estimates on complete plants by mail.

KEATING IMPLEMENT & MACHINE CO.

GINNERS,

PLEASE NOTE:

1st. We are the leaders in the march of improvements of all kinds for handling cotton in any shape or form.

2nd. We were the first to originate, experiment with, perfect, patent, manufacture, introduce and build up such a trade for it, the extent of which has never been equaled by any manufacturing concern in this line in the United States.

3rd. We have the only original pioneer patents which cover the system of elevating and cleaning cotton by suction, without passing it through the fan.

4th. We have the original patents covering the system of running the gin and brush with one and the same belt.

5th. We have the original patents for handling lint cotton through one flue into one condenser and into double box press.

6th. We have various other patents too numerous to mention here, which cover and protect our complete system, from wagon to bale.

7th. Ours is the only system which was invented, perfected, patented, introduced, and is still owned and manufactured exclusively by Southern individuals.

8th. We have manufactured twenty times as many complete or system ginning outfits as any other manufacturer.

9th. We have sold more large ginneries, (from 8 gin stands up to 12 of any kind) than all other manufacturers combined.

10th. We have the only system on which insurance companies have given a rate of from 3¾ per cent to 5 per cent.

11. We have more gold medals on our cotton gin machinery than all of our competitors combined.

12th. We have every gold medal given to any company or individual by any State Fair, at any time for a complete system of handling, ginning and pressing cotton from wagon to bale.

13th. We have the only gold medal given by the last Dallas Fair for cotton gin machinery, of any kind whatever.

14th. We have taken the first premium in every instance and in every place where we have exibited and competed throughout the entire South, as well as at Chicago, on our complete outfits, against the principal manufacturers of both North and South.

15th. We have had more gold medals and diplomas given us, beginning with the Cotton Centennial Exposition at New Orleans, than all of our competitors combined.

Munger Improved Cotton Machine Mfg. Co.,

DALLAS, TEXAS.

Poultry.

SPRING.

Southern Game Breeder.

De fall stags and pullets, am struttin' and singin';
Daddy cock and mammy hen am scratchin' and grinnin';
De chicken hawk an' owl am winkin' an' blinkin',
Waitin' for a chance to scoop 'em on de ground.
De mink am shyin' 'roun' whar de little chicks am drinkin';
De pole cat am hidin' but he cant hide his stinkin';
De black snake am crawlin', an' lots of chicks am missin',
Sholy de springtime has now come 'roun'.

Hens lay in spring because they get plenty of green feed. This is a pointer for winter laying. Make a note of it.

It is stated that I. K. Felch makes $5000 a year by breeding fine poultry. Now, friend, don't suppose that you can go and do likewise, for it is one hundred to one you can't by several dollars. Felch has spent the best part of a good sized life in the business, and has acquired a reputation that is worth thousands to him, and besides, he is full as a tick with practical poultry knowledge. As a breeder, he stands first in America.

During a recent visit to Uncle Snort, he illustrated his method of killing lice by actual tests. Chicks were selected, and when one was found with peojos de cabeza, the feathers were parted, the lice exposed, and the snuff applied, and in every case the lice were dead in about six seconds. None survived the application. It beats insect powder, for the snuff retains its virtues indefinitely. No harm results to the chicks. It is a success.

Please tell me what is the matter with my hen. I have a black Langshan which is in good health and fat, but the yolks of her eggs turn dark after standing a few days. I have a Plymouth Rock rooster which mates with her. Please let me know as soon as possible, as I would like to set her eggs as soon as I could get them all right.—C. K. HUNTER, Santa Anna, Texas.

[If the hen is in good health, as you say, her eggs are probably all right. If the eggs are not sound, there is something wrong with the hen, and that is all we can tell you about it. Never heard of a case of a sound hen laying unsound eggs.—ED.]

BY THEIR LOOKS YE SHALL KNOW THEM.

UNCLE SNORT.

[Concluded from last week.]

They all received the compliment politely and the Dwarf was invited around to the feed coop, where he enjoyed a good hearty meal, and then all hands joined in an hours hunt for bugs. It was really amusing to see the little naked, louse eaten Dwarf rustle for bugs. He could take a bug in "on a fly," every time, and never make "a foul."

Being almost entirely nude, it took a great deal of rustling on his part to keep anything like warm.

I turned off to my business and paid no further attention to the chicks, but decided to let the little Dwarf remain, though he was really a disgrace to my poultry yard and a burlesque on the chicken family.

Being very busy all day, I had almost forgotten the morning episode among the chicks, but when evening came and the poultry gathered in from all parts of the grounds and I went out to feed them, again I saw the little louse ranch surrounded by the entire lot of full grown hens and cocks, and there again seemed to be a general confusion among the poultry, and again the little Dwarf was the cause. When the general laughing and fun making was over, the little Dwarf was questioned by the chief spokesman, and again related about the same as I had heard in the morning. I could see the old mother hens "knit their brows like gathering storm, and nursing their wrath to keep it warm," and the crowd resolved itself into an indignation mass meeting and speech making became the general order, and the man who would treat his chicks as this little fellow had been treated was denounced in very strong language.

Mr. Silver-Tongued Hamburg took the stump and made the speech of the occasion. He very eloquently and pathetically portrayed the sufferings of poultry that have to rustle for their living and are dogged and chuncked and abused and have to sleep on the branches of trees or on the fence or in the fence corners, are exposed to all kinds of weather, with no sort of shelter or protection, their nests robbed, and the eggs eaten by worthless suck-egg dogs, the little chicks often ate up by razorback chicken-eating hogs, or are drowned by the heavy spring rains or chilled to death by the north winds. He finally closed by saying:

"Some action should be taken to protect the great poultry interests of this country."

He took his seat amidst a round of applause, and then the following preamble and resolutions were unanimously adopted:

Whereas, it has come to our knowledge that there are hundreds of wives and daughters struggling with almost Spartan pluck to supplement the scant fare of their tables with the most delicious and wholesome food—chickens and eggs, but are making poor success for want of the necesary fixtures, and

Whereas, the husbands and fathers of said wives and daughters, though they are living in a civilized country and many of them claim to be Christians, but spend much of their time gadding to town and looking around the gilded palaces of sin, and yet declare to their wives and daughters that they have no time to build hen houses, nest boxes, coops and other fixtures that are absolutely necessary to the successful raising of poultry, and

Whereas, many of them have been heard to declare that chickens are a nuisance and that poultry on the farm does not pay, when it is a known fact that the fault is theirs, therefore, be it

Resolved, That we, in mass meeting assembled, do most emphatically and unqualifiedly denounce such conduct as stupid and improvident, and the results as proving detrimental to the actual health and happiness of said families, and is a prominent cause of the lack of a great many little luxuries and necessities in said families, and, be it further

Resolved, That there be a commission appointed by the Governor, which commission shall be declared not unconstitutional, to visit at once the homes of the above mentioned parties and proceed to kill all suck-egg dogs, and have slaughtered for soap grease all chicken-eating razorback hogs, and that the conduct of these parties guilty of such unpardonable sins be severely reprimanded by the chairman of the commission.

It was unanimously agreed by motion and second, that the above preamble and resolutions be sent to TEXAS FARM AND RANCH for publication, with a request that all poultry journals and other papers friendly to our cause, copy.

Now, Mr. Editer, the above preamble and resolutions are rather strong, but, coming from the poultry yard, I hope none will be offended.

Waxahachie, Texas.

KILLING CHICKEN FLEAS.

GEO. A. MILLER.

Mr. Samuel Barnes was wanting to know what would kill chicken fleas. The only thing I have found that would rid a place of them is wet, cold weather. The fleas stay in the dust as much as they do on the fowls. Killing them off, the fowls does not destroy all of them. I will give Mr. Barnes my mode of feeding young chicks, and I think if he will feed in that way he will never have a sick chick, if he will keep the lice off them. For the first week I feed my chicks on eggs and sweet milk cooked together until it forms a hard curd. After they are four days old they will begin to eat some wheat or millet. Chicks fed on this diet will never have bowel trouble, and will grow on feathers faster than any other way I ever fed. Some may say this is very costly feed, but when a man pays from $1.50 to $4.00 per sitting for eggs, they want to raise all of them, and this feed will fill the bill. I have eighty-five young game chicks fed on this feed this spring, and have not seen one droopy yet.

Wishing TEXAS FARM AND RANCH success, and hoping this mode of feeding will be of some benefit to some one who is raising fine poultry.

Florence, Texas.

TEXAS FARM AND RANCH is receiving so many applications for a map of Texas, that for the benefit of our readers, we have made arrangements, that any one who will write to Mr. Gaston Meslier, General Passenger & Ticket Agent, The Texas & Pacific Railway, Dallas, Texas, will be furnished free a good county map of Texas. Mention this paper.

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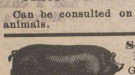
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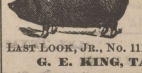
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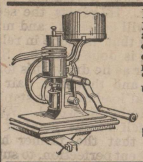


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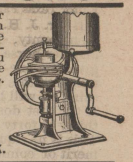
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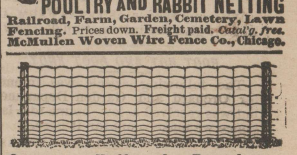
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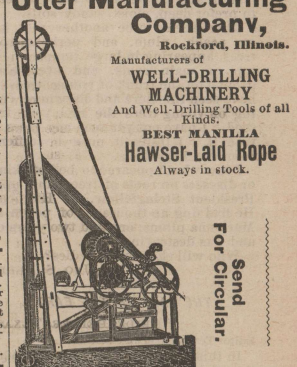
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There are flocks of sheep in Kimball county and elsewhere in the West, that have not had a drink of water for months. They have been fed all winter on satol, and as the sap is now rising in this plant it is thought the sheep will be able to go several months longer without water. In the meantime it may rain again.

A PEACEFUL REVOLUTION.

Texas was long famous for her long-horn cattle, mustang horses, razor-back hogs, and moss-backed Mexican sheep, and it is not for us to say the fame was not merited, for this writer was "present on that inauspicious occasion," and would scout the thought of denying the evidence of his senses. He has, in days that are happily past, handled all these varieties of stock in their native purity. He has ridden upon the slippery hurricane deck of the "glass-eyed" and treacherous mustang, just in the wake of forests of horns like "the locked spurs of the Macedonian phalanx." He has chased the fleet-footed wind-splitter, whose meager meal of brier root and perinkles was no impediment to his flight, and whose thin carcass at the early age of three years would sometimes net 150 pounds of bones and sinews. He has joined with the cayote and lobo in sacrificing to a carniverous appetite the moss-covered and weather-beaten lambs that partook of the degeneracy and physical poverty of the Mexican greaser. All these animals were built upon the supposition that "the nearer the bone the sweeter the meat." But they served their purpose, and are disappearing, and are being replaced with thoroughbreds, Percherons, Cleveland Bays, Shires, and standard bred trotters; with Jerseys, Holsteins, Herefords and Galloways; by Berkshires, Poland Chinas, and Duroc-Jerseys; by Spanish Merinos, Southdowns, Leicesters and Cotswolds, and at a rate hardly realized by the public. This through its revolutionizing agriculture farmers are getting upon a plane of substantial prosperity that has made Texas conspicuous for thrift amid the general commercial wreckage of the past ten months. Fine stock breeders from other states are looking to Texas for a field for their specialties, destined to develop wonderful improvement in the near future. They are recognizing her advantages of soil and climate, and general adaptability to high class stock of all kinds. The improvements that have taken place, great as they are, are insignificant in comparison with those of the future. Let those who doubt it wait and see; and those who do not doubt go in for a share in the promised glories of the future.

MANAGEMENT OF SPRING STOCK.

F. L. HOOPER.

It is perhaps advisable to remind the thoughtless farmer that it is not best to turn working oxen and horses out to grass until most of the hard work of spring is over. They will do more and better work if fed on good clover hay and a few quarts of grain, and roots also if at hand. They will do better than when feeding upon the early spring grass. It takes some time for the animal system to accommodate itself to the change from hay to grass, and the first growth of spring grass is always composed of a watery, purgative character.

Cows, too brought in good condition through the winter, will yield a much greater quantity of milk the ensuing summer. The calves produced will be more thrifty and valuable, and all who carefully consider the subject will see that it is a losing business to let cows get "spring poor." They require better care and attention in March and April than at any other time, and no thorough farmer will neglect it.

The young cattle—yearlings, two-year-olds, etc.—must not be neglected. The profit to be derived from them depends largely on their thrifty growth while young. If "on the lift" in the spring, at least half the summer on good pasture will be required to get them in good growing condition again, and they will be stunted cows and oxen compared with those treated more rationally and kindly.

With sheep, also, spring is a critical period. It is then, if ever, that they suffer decimation by disease, and it is ever when kept in large flocks that they suffer most. The poor and weak are crowded from their food by the strong and hardy; hence it is highly important that they be kept in small flocks. Breeding ewes should receive good treatment that they may be able to rear their lambs without trouble. Good clover hay, and a daily feed of oats, beans, barley, corn, linseed meal, or bran, with an occasional mess of roots, will insure profitable returns from this portion of the flock. The yearlings, if kept by themselves, will do far better, and a small supply of grain will increase their growth and yield of wool very satisfactorily, as we know by experiment.

We must not be in haste to turn sheep or any other animals to grass, but let it get a fair growth so that the supply may be constant and of the best character. Pastures are often injured by grazing too early, by stock which would do far better in the barn-yard.

Baltimore, Md.

A CANADA TANNER ON CANAIGRE.

The following letter from an Ontario, Canada, tanner, of large experience, to Mr. F. E. Roesler, of Dallas, Texas, will be found full of interest to those interested in canaigre:

F. E. Roesler, Esq.: Absence from home has delayed an answer to yours of March 22, 1894. Regarding Canaigre root, I have visited several sections in New Mexico and Texas, and examined into this business pretty thoroughly, and agree with you as to necessity of gathering near a railroad. I thought at one time of getting lands that I saw on your line of railroads, but it is too far from here to look after, so have dropped the matter at present.

The root is one of the best tanning materials known, and suitable for use in any tannery, where bark or extracts are used. I know no bark or root having an equal amount of tannic acid in same bulk, and the leather is very fine, and of beautiful color. I have in my papers, the opinions of the best experts known.

As to the value, I am of the opinion that the best market is Europe, as to haul long distances by railroads is very expensive. I was interested in a shipment to Europe of a number of cars. There are now extract works at Deming, N. M., and they are planting near Houston. Properly handled cured, but from figures I had, it would be worth $10 a ton green. As to quantity there is no limit to market.

J. & T. GRANT.

POTASH AND SODA.

W. F. MASSEY.

In an issue of the Prairie Farmer for March 31st, is an article by Mr. Andrew Ward, which reiterates the old exploded notion that sodium compounds may replace potash in plant growth. Now if there is any one thing which the most carefully conducted experiments have proven, it is the fact that plants can get along without any soda at all, but that no green plant can make growth without potash in available form. Soda is found more plentifully in seaside plants than anywhere else, and it was supposed that with these plants soda would replace potash, but it has been shown that even in this case the soda exists in the plant more as an accident, or because the plant could not help getting it, just as a large portion of the lime exists as a deposit on cell walls. We have frequently seen it stated that muriate of potash made potatoes waxy, but we do not believe a word of it. The most careful experiments show that the presence of potash in the plant is absolutely essential to the promotion of starch, that no starch is made and hence no material for structure; and no food for storage in underground parts unless potash be present.

It has been shown, too, that while potash in some form must be present in order that starch may be formed, the subsequent transfer of starch to the storage reservoirs of the plant, like tubers in Irish potatoes, is best accomplished by a chloride. Now if the chloride of potassium favors the transfer of starch, how is it that the muriate of potash makes potatoes waxy? It does nothing of the sort. In the case of sugar beets it may hinder the transformation with sugar. Experiments made upon potatoes with muriate of potash, sulphate of potash and kainit showed that the muriate gave better results than others. Now if soda was so particularly beneficial the kainit should have given the best results, for it has immensely more of soda than the muriate has, while the muriate, which gave the best results, did so because of the potash. While the general opinion is that the muriate injures the sugar product of the beet the sulphate does not, and the sugar product of sorghum and sweet potatoes has been largely increased by use of the muriate. On lands near the seaside, where sodium would seem to be abundant, but potash is generally rather deficient, an application of potash increases the crop thirty bushels per acre, or more than the entire crop the land would grow with all the sodium it contained. Mr. Ward's notion that nitrate of potash can be gotten cheaply enough to use profitably as a fertilizer is new to me. I wish it were so. But, really, if we have plenty of phosphoric acid and a readily available form of potash, as in sulphate and muriate, why should we, for ordinary farming, pay an extra price for the nitrate, when by the aid of other forms of potash, with leguminous plants, we can get nitrates in the soil for a mere fraction of the cost of purchased nitre. If Mr. Ward will furnish me all the "plant poison" I want in the shape of sulphate or muriate of potash, I will undertake to get all the nitrate I want by the use of cow peas and lime.

Woodville, Miss.

ALSIKE, OR SWEEDISH CLOVER.

EDWIN MONTGOMERY.

In late years it seems that this clover is becoming more widely known and more popular in many sections of the West. In the South it has received little or no attention. With all its good points it does seem strange that one sees so little mention of this plant in the general agricultural press. Even the standard works on grasses and forage plants make but meager mention of it in comparison to other members of the clover family. Flint and Beal and Phares and Howard in their several works, allude to the Alsike in very brief language. Its reputation has been mainly exhausted as a "bee plant." In late years it is being demonstrated that this plant has virtues that are making it very popular with all who attempt to grow it upon the character of land that is best suited to the plant. Rather low, moist, even wet, sloughy soils, seem to suit it best, such lands that are almost too wet to cultivate profitably, unless drained. Those who have had success with it, claim that from two to four pounds of seed are sufficient to sow an acre. Many recommend sowing [illegible] out plowing the ground. They say that in time it will entirely eradicate the wild grasses and result in lessening the amount of standing water on the ground. It is a perennial and is green all year, and is little affected by drouth or cold; that stock are ravenously fond of it, and will leave the best white clover or red clover to graze on it; that it does not salivate or slobber horses like many other of the clover family; that it stands continuous grazing far better than red clover, and that it yields a good hay crop that is equal in chemical value to that of any of the clovers. It will thrive many years on the same land without any reseeding by the owner. I could mention many other good points said in its favor, but will not prolong this communication.

If any of the readers of your paper in the South have ever given this clover a fair trial, I hope they will be kind enough to give the results through your columns. Three or four parties in this immediate section have sown seed and will test this clover the present year.

Starkville, Miss.

EGYPTIAN COTTON.

F. W. MORRIS.

In reply to an inquiry in TEXAS FARM AND RANCH of the 14th of April, regarding Egyptian cotton, I will say that last year I received of the Washington department two packages of Egyptian cotton seed, of the varieties Abifi and Barnia, part of which I planted April 13, in the usual way, on good sandy loam, and part on the 26th of April, on black prairie land. It scarcely had any rain, but grew about five feet high, and stood the drouth much better than our common cotton planted by its side. It fruited immensely, bearing from 50 to 75 bolls to the stalk. It remained green, and continued to grow long after the other cotton had shed its leaves. The most of the bolls opened, and the lint was very long and strong, and had more the appearance of fine Merino wool. The staple in one variety, was about one and one-half inches long.

But on the whole, I was not favorably impressed with it. The bolls are very small, and only three locks to the boll, containing about as much cotton as one lock of the four-locked Hebner variety, growing by it. It is very tedious to pick, so much so, that I never could induce my hands to pick it, and so it was never picked. I had about an eighth of an acre; it looked so pretty and white, I concluded to pick it myself; but after picking ten or twelve pounds, I gave it up as too slow a business. It would have to command a much higher price than our common cotton, to be a paying crop. Of course, its value cannot be determined by one trial. But when I could pick as much cotton from one boll of common cotton, as from four of the Egyptian, and in much less time, I was not at all prepossessed in its favor.

Brenham, Texas.

TRANSFERS OF JERSEY CATTLE.

The following is a list of Texas transfers of Jersey cattle for the week ending March 27, 1894, taken from report of the Secretary A. J. C. C.

BULLS.

Albion Pogis 35928—I Sellers to T B Taylor, Paige.

Get There Eli 32824—J W White to W S Craft, Bastrop.

Joe K 33599— Dick & Kincaid to W H Dick, Palestine.

Kelta's Blue Deer Pogis 32660—J F Reynolds to J H Wilkins, Kilgore.

Luna's Sancho 35832—J W Ayers to J Nichols, Dallas.

Pride's Americus 32527—D G Hamilton to H P West, Corsicana.

COWS AND HEIFERS.

Belle of Comet 93212—J O Jackson to E P McGarity, Pine Forest.

Bessie Belle Pogis 82303—J E Fisher to R W Malone, Luling.

Birdie Birchette 66773—S T Howard to H G Evans, Bonham.

Bisson's Ethel 93824—Est of C Brown to J H Bauman, Cleburne.

Bonnie Regina 90429—Krath & Henderson to Henderson & Bro, Marshall.

Harry's Mary 2d 86358—Krath & Henderson to Henderson & Bro, Marshall.

Hennie of Briar Field 84267—B Campbell to J G Davis, Gladstone.

Ida Morton 81645—F R Estes to J C Chapman, Mesquite.

Jolen 64671—Dick & Kincaid to S K Dick, Houston.

Laura Clement 65361—P J Burgess to Miss M B Erskine, Seguin.

Leonora St Lambert 69391—G W Cross to R F Walker, Tyler.

Leucothea 93237—C E & D L Scott to J [illegible], Hillsboro.

Lula Crossett 90428—Krath & Henderson to Henderson & Bro, Marshall.

Mary's Mary Alphea 52416—A Cooper to T L Dunlap, Meridian.

Maud Jones 90246—Krath & Henderson to Henderson & Bro, Marshall.

Meta of Briar Field 84271—B Campbell to J G Davis, Gladstone.

Miss of Ocean Springs 41627—W L Steele to F Meekins, Millican.

Monterey M 82996—Stokes, Hayes & McClain to J O McCarty, Henderson.

Mellie Crickett 87797—Krath & Henderson to Henderson & Bro, Marshall.

Nervissa 86667—Krath & Henderson to Henderson & Bro, Marshall.

Parretta 19568—F R Estes to J C Chapman, Mesquite.

Petronella Dick 88428—Dick & Kincaid to O W Triece, Palestine.

Princess Coma 90430—Krath & Henderson to Henderson & Bro, Marshall.

Rena Lee 73057—J E Faires to G Millrich, LaGrange.

Rose of Briar Field 84736—B Campbell to J G Davis, Gladstone.

Sallie Fair 62660—J B Donoho to J L Morris, McKinney.

Sallie Sewall 65591—R F Walker to S D Reeves, Tyler.

Sasanda 3d 93779—Est of C Brown to G A Castleman, San Antonio.

Signora Sue 63587—F R Estes to J C Chapman, Mesquite.

Simila 76900—Est of C Brown to W L Shaw, LaGrange.

Star of Comet 93211—J O Jackson to E P McGarity, Pine Forest.

Sulina 76899— Est of C Brown to W L Shaw, LaGrange.

Syrocia 90662—A W Halbert to J W Earl, Texarkana.

Zon Champion 81878—O McGaffey, Jr, to R W Malone, Luling.

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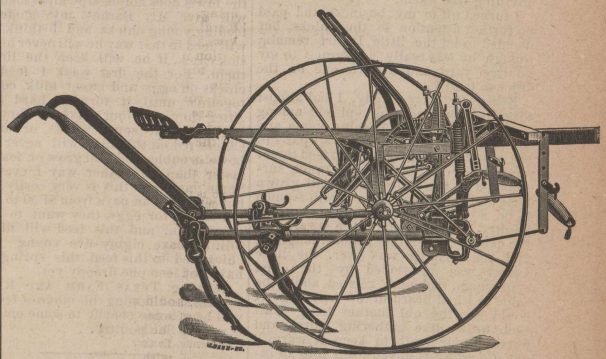
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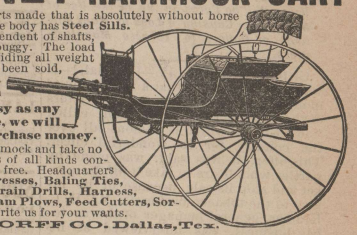
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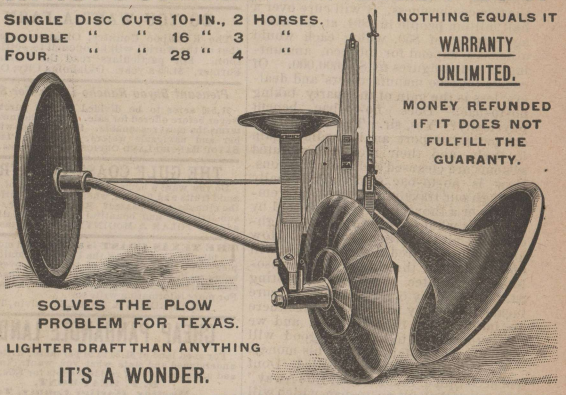
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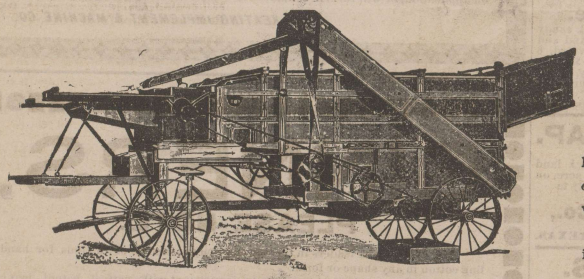
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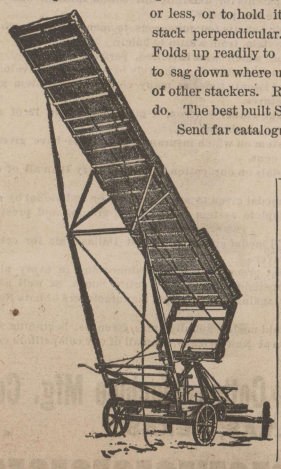
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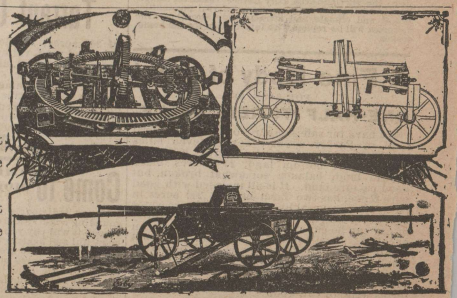
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the country. In both countries, the elaborate appliances for irrigation were neglected and allowed to go to ruin. The now existing works do not compare in magnitude to the ancient works.

Irrigation cannot, with the above information before us, be considered "a new-fangled scheme to raise crops," but must be regarded as one of the oldest and most perfect systems of agriculture in existence, to be applied whenever practical. As the storage of large quantities is beyond the reach of individual effort, it is a work that must be undertaken by the governments of the several states. F. E. ROESLER.

Tennessee Farmer: Too much washing of butter occasions a loss of flavor. Freezing damages butter, but if it is to be held long in storage it is better to freeze it, as it will go off flavor faster when held unfrozen.

Southern Live Stock Journal: To keep, feed and milk a scrub cow is more or less a waste of a man's time, while to keep a scrub man to milk and care for a good milch cow is a waste of a good cow's time.

CHEAP RATES TO NASHVILLE, TENN., VIA. THE COTTON BELT ROUTE.

Account of the Presbyterian General Assembly, at Nashville, Tenn., in May, the Cotton Belt route will sell round trip tickets to Nashville, Tenn., and return, at one lowest first class fare for the round trip, tickets on sale May 13th, 14th, and 15th, limited good to return June 4th, 1894. For further information, address, A. A. GLISSON, S. G. WARNER, T. P. A., Ft. Worth. G. P. A., Tyler.

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2d. Self, or Rice Binder, 6 feet.
3d. Self, or Rice Binder, 5 feet.
4th. No. 8 Reaper.
5th. Mower, 6 feet.
6th. Mower, 5 feet.
7th. Mower, 4½ feet.
8th. Hay Tedder.
9th. Flexible Disc Harrow, 12x20.
10th. Flexible Disc Harrow, 12x16.
11th. Rival Disc Harrow, 12x20.
12th. Rival Disc Harrow, 12x16.
13th. Self-Dump Hay Rake, 10 feet.
14th. Self-Dump Hay Rake, 8 feet.
15th. Spring-Tooth Harrow, 23 teeth.
16th. Spring-Tooth Harrow, 17 teeth.
17th. Spring-Tooth Harrow, 15 teeth.
18th. Combination Harrow, 24 teeth.
19th. Combination Harrow, 16 teeth.
20th. Hand-Dump Hay Rake, 10 feet.
21st. Hand-Dump Hay Rake, 8 feet.
22d. Peg-Tooth Harrow, 100 teeth.
23d. Peg-Tooth Harrow, 75 teeth.
24th. Peg-Tooth Harrow, 50 teeth.
25th. 100 lbs. pure Manilla Twine.
26th. 100 lbs. Manilla Twine.
27th. 100 lbs. Standard Twine.
28th. 100 lbs. pure Sisal Twine.
29th. 12 gallons Orbitt Machine Oil.
30th. 6 gallons Orbitt Machine Oil.

The premiums offered are worth the effort of making a guess. Purchasers of any of our implements are entitled to a guess whether purchased direct from us or through any of our agents. All of our agents are supplied with blanks for registering the guesses. We make first-class implements, and point with pleasure to our record of 40 years. It will cost no more to purchase implements of our make than any other first-class goods, and have an opportunity of guessing, and perhaps may secure one of our premiums. We would be pleased to have you advise us what you are in want of in our line. We mailed you a copy of our catalogue, which will give you full information regarding our goods. We want to thoroughly introduce our latest improved implements in your locality, and trust you will help us all you can in doing so. We will present the handsome machines which were exhibited at the World's Fair. Do not fail to let us hear from you at once. It will be a long time before you have another opportunity of this kind, and you cannot afford to let it pass.

Trusting the outlook is encouraging for a good crop the coming harvest, believe us to be most truly yours.

D. M. OSBORNE & Co.
St. Louis, Mo.

Saunders & Hogan, of Starkville, Miss., are selling their Jerseys at bargains that intending purchasers should not overlook. See their advertisement in this paper, and write for particulars.

IN paint the best is the cheapest.—Don't be misled by trying what is said to be "just as good," but when you paint insist upon having a genuine brand of

Strictly Pure White Lead.

It costs no more per gallon than cheap paints, and lasts many times as long. Look out for the brands of White Lead offered you; any of the following are sure:

"Southern," "Red Seal," "Collier."

FOR COLORS.—National Lead Co.'s Pure White Lead Tinting Colors.

These colors are sold in one-pound cans, each can being sufficient to tint 25 pounds of Strictly Pure White Lead the desired shade; they are in no sense ready-mixed paints, but a combination of perfectly pure colors in the handiest form to tint Strictly Pure White Lead.

A good many thousand dollars have been saved property-owners by having our book on painting and color-card. Send us a postal card and get both free.

St. Louis Branch, Clark Avenue and Tenth Street, St. Louis.

NATIONAL LEAD CO.

ELKHART CARRIAGE and HARNESS MFG. CO.



$23.50

No. 1. Farm Harness.



No. 41. Wagon. $43.00

Have Sold To Consumers For 21 Years, *saving them the dealers' profits.* We are the **Oldest** and **Largest** manufacturers in America selling Buggies and Harness this way. Ship with privilege to examine before any money is paid. *We pay freight both ways* if not satisfactory. Warrant for two years. Why pay an Agent $10 to $50 to order for you? Write your own order. Boxing free. We take all the risk of damage in shipping.

WHOLESALE PRICES

Spring Wagons, $31 to $50. Guaranteed same as sell for $60 to $85. **Road Wagons, Surreys,** Double fenders, **$85,** same as sell for $130. **Top Buggies** as low as **$37.50. Phaetons, $66. Farm Wagons, $43.**

HARNESS.

90 styles Single, Double and Farm. Riding Saddles, Bridles and Fly Nets. Send 4 cents in stamps to pay postage, 112 page catalogue.



$26

No. 727. Road Wagon.



$37.50

W. B. PRATT, Secretary, Elkhart, Ind.

BEER. California Beer Seed, in packets for several gallons, each 10 cents, or 15 cents in stamps, by mail, postpaid.
J. L. WATSON, Moulton, Ala.

WANTED—By an experienced Jersey dairyman, a position as herdsman or butter maker. Understands the milk business in all its details; also the care and feeding of ensilage. Good references. Address THOS. ARKELL, General Delivery, Dallas, Texas.

JERSEYS AT AUCTION.

On Tuesday, May 15th, 1894, beginning at 10 o'clock a. m., the members of the Texas State Jersey Cattle Club will hold, on the Fair Grounds, at Dallas, Texas, their first public sale of registered, acclimated Jersey cattle. About six bulls and thirty head of choice cows and heifers will be sold singly to the highest cash bidder.

These cattle are not culls, but good stock. They will be from the well known herds of Platter & Foster, of Denison; M. Lothrop, of Marshall; J. D. Rudd, of Waskom; J. P. Craver, of Equality; J. M. Vance and S. C. Bell, of San Antonio, and J. D. Gray and Terrell, Harris & Hardin, of Terrell.

If you want to buy Jerseys at your own price, this is your opportunity. If possible, will have excursion rates on railroads entering Dallas. For catalogues giving description of each animal, address J. O. TERRELL, Terrell, Tex.

FOR EXCHANGE.

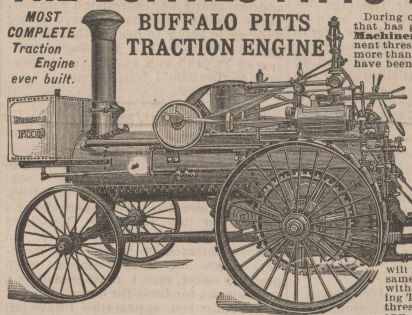
Registered Berkshire boar and sow, three years old each, and litter of seven pigs, to trade for registered Jersey or Holstein cow. Must be young and good milker.

FRANK L. DENISON,
Belton, Texas.

THE BUFFALO PITTS THRESHING MACHINERY

MOST COMPLETE Traction Engine ever built.

BUFFALO PITTS TRACTION ENGINE



During our long experience in the implement business we have never handled a line that has given better general satisfaction than the **BUFFALO PITTS Threshing Machinery.** Among our customers during the past season are many of the most prominent threshermen in Texas, and they all to a man, freely testify, that the PITTS is all and more than recommended to them. For the coming season still further improvements have been added, at a large additional expense to the cost of the machine, and which improvements we shall give our patrons without extra charge. The

BUFFALO PITTS TRACTION ENGINE

with its patent throttle reverse lever, friction clutch pulley and 100 gallon water tank on front end, is the most complete Traction Engine ever built. Our 13 horse wheels wide burning engine for this season has **64 inch wrought iron** rear No Engine builders in the country, outside Avery, Front wheels with **6 inch face,** large wheels and with such wide face. We also carry in stock 14 and 16 horse California style straw burning Engines, which in point of merit are unexcelled by any other make of Traction Engines known to the trade. The

BUFFALO PITTS RIVAL and CALIFORNIA Threshers

are the best that can be produced, and, as improved for this season, stand head and shoulders above all competitors. Examine our **Double Fan, Sprocket Chain Drive** and **"Catch-All"** attachment, all points of merit which have proven practical. Our 36 inch Separator with 56 inch rear, has the largest separating capacity of any Thresher made, and will handle and save grain that other Threshers of the same size cylinder will waste. This with our 13 horse wood or coal burning Traction Engine makes a noble threshing outfit and one of which any man may be justly proud. needs no puffing. Has always been noted as superior to all others for durability and ease of draft. Our 8 horse **PITTS POWER** and 24 inch **RIVAL THRESHER** is the best outfit on the market for small crops, or for two or three farmers to buy together for their own use. The farmer who first gets his grain to market gets better prices, and by owning his own machine there is no delay.

BUFFALO PITTS DOUBLE PINION HORSE POWER has always taken the lead. It was the first

The New REEVE'S STACKER practical Stacker invented, and is to-day without a successful rival. This is a well-known fact among threshermen, all of whom recognize it as a first-class, indispensable article and without which no threshing outfit is complete.

OUR CATALOGUES, giving full description of Threshers, Engines and Stackers, will be mailed free to any one giving us their address. It will pay you to examine our line before you purchase.

We carry in stock **Hay Presses, Mowers, Hay Drags, Hay Rakes, Baling Ties, Binder Twine, Mowing Knife Grinders, Wind Mills, Pumps, COOPER, RAIN and OLDS Wagons, Sorghum Mills and Evaporators, Buggies, Carriages, Carts and Harness.** Write us for your wants.



THE NEW REEVES Stacker

Without a successful rival. No Threshing Outfit is complete without it.

PARLIN & ORENDORFF CO., DALLAS, TEXAS.

THE BRIDGE IS COMPLETED



TRAINS OF THE
MISSOURI
KANSAS &
TEXAS RY.
NOW RUN BETWEEN
ST. LOUIS AND HOUSTON
WITHOUT CHANGE



KATY CONGRATULATES THE PUBLIC.

Farm and Stock.

The Alpine Avalanche calls on the stockmen to organize for the extermination of panthers and other wild beasts destructive to stock, and recommends that they hire men to trap and kill them.

There are flocks of sheep in Kimball county and elsewhere in the West, that have not had a drink of water for months. They have been fed all winter on satol, and as the sap is now rising in this plant it is thought the sheep will be able to go several months longer without water. In the meantime it may rain again.

A PEACEFUL REVOLUTION.

Texas was long famous for her long-horn cattle, mustang horses, razor-back hogs, and moss-backed Mexican sheep, and it is not for us to say the fame was not merited, for this writer was "present on that inauspicious occasion," and would scout the thought of denying the evidence of his senses. He has, in days that are happily past, handled all these varieties of stock in their native purity. He has ridden upon the slippery hurricane deck of the "glass-eyed" and treacherous mustang, just in the wake of forests of horns like "the locked spurs of the Macedonian phalanx." He has chased the fleet-footed wind-splitter, whose meager meal of brier root and perinkles was no impediment to his flight, and whose thin carcass at the early age of three years would sometimes net 150 pounds of bones and sinews. He has joined with the cayote and lobo in sacrificing to a carniverous appetite the moss-covered and weather-beaten lambs that partook of the degeneracy and physical poverty of the Mexican greaser. All these animals were built upon the supposition that "the nearer the bone the sweeter the meat." But they served their purpose, and are disappearing, and are being replaced with thoroughbreds, Percherons, Cleveland Bays, Shires, and standard bred trotters; with Jerseys, Holsteins, Herefords and Galloways; by Berkshires, Poland Chinas, and Duroc-Jerseys; by Spanish Merinos, Southdowns, Leicesters and Cotswolds, and at a rate hardly realized by the public. This change is revolutionizing agriculture farmers are getting upon a plane of substantial prosperity that has made Texas conspicuous for thrift amid the general commercial wreckage of the past ten months. Fine stock breeders from other states are looking to Texas for a field for their specialties, destined to develop wonderful improvement in the near future. They are recognizing her advantages of soil and climate, and general adaptability to high class stock of all kinds. The improvements that have taken place, great as they are, are insignificant in comparison with those of the future. Let those who doubt it wait and see; and those who do not doubt go in for a share in the promised glories of the future.

MANAGEMENT OF SPRING STOCK.

F. L. HOOPER.

It is perhaps advisable to remind the thoughtless farmer that it is not best to turn working oxen and horses out to grass until most of the hard work of spring is over. They will do more and better work if fed on good clover hay and a few quarts of grain, and roots also if at hand. They will do better than when feeding upon the early spring grass. It takes some time for the animal system to accommodate itself to the change from hay to grass, and the first growth of spring grass is always composed of a watery, purgative character.

Cows, too brought in good condition through the winter, will yield a much greater quantity of milk the ensuing summer. The calves produced will be more thrifty and valuable, and all who carefully consider the subject will see that it is a losing business to let cows get "spring poor." They require better care and attention in March and April than at any other time, and no thorough farmer will neglect it.

The young cattle—yearlings, two-year-olds, etc.—must not be neglected. The profit to be derived from them depends largely on their thrifty growth while young. If "on the lift" in the spring, at least half the summer on good pasture will be required to get them in good growing condition again, and they will be stunted cows and oxen compared with those treated more rationally and kindly.

With sheep, also, spring is a critical period. It is then, if ever, that they suffer decimation by disease, and it is ever when kept in large flocks that they suffer most. The poor and weak are crowded from their food by the strong and hardy; hence it is highly important that they be kept in small flocks. Breeding ewes should receive good treatment that they may be able to rear their lambs without trouble. Good clover hay, and a daily feed of oats, beans, barley, corn, linseed meal, or bran, with an occasional mess of roots, will insure profitable returns from this portion of the flock. The yearlings, if kept by themselves, will do far better, and a small supply of grain will increase their growth and yield of wool very satisfactorily, as we know by experiment.

We must not be in haste to turn sheep or any other animals to grass, but let it get a fair growth so that the supply may be constant and of the best character. Pastures are often injured by grazing too early, by stock which would do far better in the barn-yard.

Baltimore, Md.

A CANADA TANNER ON CANAIGRE.

The following letter from an Ontario, Canada, tanner, of large experience, to Mr. F. E. Roesler, of Dallas, Texas, will be found full of interest to those interested in canaigre:

F. E. Roesler, Esq.: Absence from home has delayed an answer to yours of March 22, 1894. Regarding Canaigre root, I have visited several sections in New Mexico and Texas, and examined into this business pretty thoroughly, and agree with you as to necessity of gathering near a railroad. I thought at one time of getting lands that I saw on your line of railroads, but it is too far from here to look after, so have dropped the matter at present.

The root is one of the best tanning materials known, and suitable for use in any tannery, where bark or extracts are used. I know no bark or root having an equal amount of tannic acid in same bulk, and the leather is very fine, and of beautiful color. I have in my papers, the opinions of the best experts known.

As to the value, I am of the opinion that the best market is Europe, as to haul long distances by railroads is very expensive. I was interested in a shipment to Europe of a number of cars. There are now extract works at Deming, N. M., and they are planting near Houston only hundred cured, but from figures I had, it would be worth $10 a ton green. As to quantity there is no limit to market.

J. & T. Grant.

POTASH AND SODA.

W. F. MASSEY.

In an issue of the Prairie Farmer for March 31st, is an article by Mr. Andrew Ward, which reiterates the old exploded notion that sodium compounds may replace potash in plant growth. Now if there is any one thing which the most carefully conducted experiments have proven, it is the fact that plants can get along without any soda at all, but that no green plant can make growth without potash in available form. Soda is found more plentifully in seaside plants than anywhere else, and it was supposed that with these plants soda would replace potash, but it has been shown that even in this case the soda exists in the plant more as an accident, or because the plant could not help getting it, just as a large portion of the lime exists as a deposit on cell walls. We have frequently seen it stated that muriate of potash made potatoes waxy, but we do not believe a word of it. The most careful experiments show that the presence of potash in the plant is absolutely essential to the promotion of starch, that no starch is made and hence no material for structure; and no food for storage in underground parts unless potash be present.

It has been shown, too, that while potash in some form must be present in order that starch may be formed, the subsequent transfer of starch to the storage reservoirs of the plant, like tubers in Irish potatoes, is best accomplished by a chloride. Now if the chloride of potassium favors the transfer of starch, how is it that the muriate of potash makes potatoes waxy? It does nothing of the sort. In the case of sugar beets it may hinder the transformation with sugar. Experiments made upon potatoes with muriate of potash, sulphate of potash and kainit showed that the muriate gave better results than others. Now if soda was so particularly beneficial the kainit should have given the best results, for it has immensely more of soda than the muriate has, while the muriate, which gave the best results, did so because of the potash. While the general opinion is that the muriate injures the sugar product of the beet the sulphate does not, and the sugar product of sorghum and sweet potatoes has been largely increased by use of the muriate. On lands near the seaside, where sodium would seem to be abundant, but potash is generally rather deficient, an application of potash increases the crop thirty bushels per acre, or more than the entire crop the land would grow with all the sodium it contained. Mr. Ward's notion that nitrate of potash can be gotten cheaply enough to use profitably as a fertilizer is new to me. I wish it were so. But, really, if we have plenty of phosphoric acid and a readily available form of potash, as in sulphate and muriate, why should we, for ordinary farming, pay an extra price for the nitrate, when by the aid of other forms of potash, with leguminous plants, we can get nitrates in the soil for a mere fraction of the cost of purchased nitre. If Mr. Ward will furnish me all the "plant poison" I want in the shape of sulphate or muriate of potash, I will undertake to get all the nitrate I want by the use of cow peas and lime.

Woodville, Miss.

ALSIKE, OR SWEEDISH CLOVER.

EDWIN MONTGOMERY.

In late years it seems that this clover is becoming more widely known and more popular in many sections of the West. In the South it has received little or no attention. With all its good points it does seem strange that one sees so little mention of this plant in the general agricultural press. Even the standard works on grasses and forage plants make but meager mention of it in comparison to other members of the clover family. Flint and Beal and Phares and Howard in their several works, allude to the Alsike in very brief language. Its reputation has been mainly exhausted as a "bee plant." In late years it is being demonstrated that this plant has virtues that are making it very popular with all who attempt to grow it upon the character of land that is best suited to the plant. Rather low, moist, even wet, sloughy soils, seem to suit it best, such lands that are almost too wet to cultivate profitably, unless drained. Those who have had success with it, claim that from two to four pounds of seed are sufficient to sow an acre. Many recommend sowing it without plowing the ground. They say that in time it will entirely eradicate the wild grasses and result in lessening the amount of standing water on the ground. It is a perennial and is green all year, and is little affected by drouth or cold; that stock are ravenously fond of it, and will leave the best white clover or red clover to graze on it; that it does not salivate or slobber horses like many other of the clover family; that it stands continuous grazing far better than red clover, and that it yields a good hay crop that is equal in chemical value to that of any of the clovers. It will thrive many years on the same land without any reseeding by the owner. I could mention many other good points said in its favor, but will not prolong this communication.

If any of the readers of your paper in the South have ever given this clover a fair trial, I hope they will be kind enough to give the results through your columns. Three or four parties in this immediate section have sown seed and will test this clover the present year.

Starkville, Miss.

EGYPTIAN COTTON.

F. W. MORRIS.

In reply to an inquiry in Texas Farm and Ranch of the 14th of April, regarding Egyptian cotton, I will say that last year I received of the Washington department two packages of Egyptian cotton seed, of the varieties Abiffi and Barnia, part of which I planted April 13, in the usual way, on good sandy loam, and part on the 26th of April, on black prairie land. It scarcely had any rain, but grew about five feet high, and stood the drouth much better than our common cotton planted by its side. It fruited immensely, bearing from 50 to 75 bolls to the stalk. It remained green, and continued to grow long after the other cotton had shed its leaves. The most of the bolls opened, and the lint was very long and strong, and had more the appearance of fine Merino wool. The staple in one variety, was about one and one-half inches long.

But on the whole, I was not favorably impressed with it. The bolls are very small, and only three locks to the boll, containing about as much cotton as one lock of the four-locked Hebner variety, growing by it. It is very tedious to pick, so much so, that I never could induce my hands to pick it, and so it was never picked. I had about an eighth of an acre; it looked so pretty and white, I concluded to pick it myself; but after picking ten or twelve pounds, I gave it up as too slow a business. It would have to command a much higher price than our common cotton, to be a paying crop. Of course, its value cannot be determined by one trial. But when I could pick as much cotton from one boll of common cotton, as from four of the Egyptian, and in much less time, I was not at all prepossessed in its favor.

Brenham, Texas.

TRANSFERS OF JERSEY CATTLE.

The following is a list of Texas transfers of Jersey cattle for the week ending March 27, 1894, taken from report of the Secretary A. J. C. C.

BULLS.

Albion Pogis 35928—I Sellers to T B Taylor, Paige.

Get There Eli 32824—J W White to W S Craft, Bastrop.

Joe K 33599— Dick & Kincaid to W H Dick, Palestine.

Kelta's Blue Deer Pogis 32660—J F Reynolds to J H Wilkins, Kilgore.

Luna's Sancho 35832—J W Ayers to J Nichols, Dallas.

Pride's Americus 32527—D G Hamilton to H P West, Corsicana.

COWS AND HEIFERS.

Belle of Comet 93212—J O Jackson to E P McGarity, Pine Forest.

Bessie Belle Pogis 32303—J E Fisher to R W Malone, Luling.

Birdie Birchette 66773—S T Howard to H G Evans, Bonham.

Bisson's Ethel 93824—Est of C Brown to J H Bauman, Cleburne.

Bonnie Regina 90429—Krath & Henderson to Henderson & Bro, Marshall.

Harry's Mary 2d 86358—Krath & Henderson to Henderson & Bro, Marshall.

Hennie of Briar Field 84267—B Campbell to J G Davis, Gladstone.

Ida Morton 81645—F R Estes to J C Chapman, Mesquite.

Jolen 64671—Dick & Kincaid to S K Dick, Houston.

Laura Clement 65361—P J Burgess to Miss M B Erskine, Seguin.

Leonora St Lambert 69391—G W Cross to R F Walker, Tyler.

Leucothea 93927—C E & D L Scott to J O Kelly, Hillsboro.

Lula Crossett 90428—Krath & Henderson to Henderson & Bro, Marshall.

Mary's Mary Alphea 52416—A Cooper to T L Dunlap, Meridian.

Maud Jones 90246—Krath & Henderson to Henderson & Bro, Marshall.

Meta of Briar Field 84271—B Campbell to J G Davis, Gladstone.

Miss of Ocean Springs 41627—W L Steele to F Meekins, Millican.

Monterey M 82996—Stokes, Hayes & McClain to J O McCarty, Henderson.

Mellie Crickett 87797—Krath & Henderson to Henderson & Bro, Marshall.

Nervissa 86667—Krath & Henderson to Henderson & Bro, Marshall.

Parretta 19568—F R Estes to J C Chapman, Mesquite.

Petronella Dick 88428—Dick & Kincaid to O W Triece, Palestine.

Princess Coma 90430—Krath & Henderson to Henderson & Bro, Marshall.

Rena Lee 73057—J E Faires to G Millrich, LaGrange.

Rose of Briar Field 84736—B Campbell to J G Davis, Gladstone.

Sallie Fair 62660—J B Donoho to J L Morris, McKinney.

Sallie Sewall 65591—R F Walker to S D Reeves, Tyler.

Sasanda 3d 93779—Est of C Brown to G A Castleman, San Antonio.

Signora Sue 63587—F R Estes to J C Chapman, Mesquite.

Simila 76900—Est of C Brown to W L Shaw, LaGrange.

Star of Comet 93211—J O Jackson to E P McGarity, Pine Forest.

Sulina 76899—Est of C Brown to W L Shaw, LaGrange.

Syrocia 90662—A W Halbert to J W Earl, Texarkana.

Zon Champion 81878—O McGaffey, Jr, to R W Malone, Luling.

NO LINIMENT CAN TAKE ITS PLACE.

Pleasanton, Texas, July 28, '93.
The Lawrence-Williams Co. Cleveland, Ohio:

We have some Caustic Balsam on hand yet. There is no liniment in use that can supply its place. We use it on people as well as horses. Bowyer & Co.

DONT WALK.

Ride a Texas Farm and Ranch Bicycle.

loose soils, retentive of water, the roots have attained an otherwise diseased condition to help out the work of the anguillula, then a prompt destruction of the tree becomes a certainty.

Although in the case of each individual tree, as far as the naked eye could discover, this disease begins with a vast collection of root knots, yet we have seen it result in such a mass of decay that we may well be excused for having called it root rot in the absence of an authoritative designation known generally to our people. But if we will understand, and speak of these two diseases as root tumor and root knot, respectively, we will better understand each other and the specialists who investigate and discuss these two modern enemies of Southern pomology.

Nursery, Texas.

Mr. Editor: Two years ago I grafted some pecans, culling off the top of stock just below the ground, and these pecan tops I set out. I dont suppose they had over one inch of wood that had been in the ground. Noticing that they had made a nice growth this year, I concluded to dig them, and I found, not one, but from two to three tap roots, very strong and deep. So you see the theory that it won't do to cut the tap root of the pecan won't do. I have noticed this before in transplanted stock. 'Rah for Stringfellow.—L. T. SANDERS, Plain Dealing, La.

Dr. A. M. Ragland: I want the photograph of every member of the Texas State Horticultural Society, cabinet size, to be used in a special souvenir edition of TEXAS FARM AND RANCH, for the Houston meeting. Kindly ask all members to send photo to me at this place. Make mention of this fact for several times. All who are now members, or who will attend and join at Houston, are invited to send photograps. There will be nothing small about our next meeting, my old friend. I assure you.—E. L. HUFFMAN, Fort Worth, Texas.

[Let members read and act, as suggested by Secretary Huffman. He evidently is after something or somebody. —ED. O. & G.]

Dr. Ragland: At last getting the enclosed, you, no doubt, think, well "better late than never." The fact of the case is, that I have my hands more than full at all times. In addition to managing operations on the whole place, I am usually one of the biggest hands when it comes to work, so you can imagine how it is. Well, winter is over at last. As reported to you, will make a good crop of peaches, there not being a single variety but what has some fruit on it. Some few being yet too full. But Le Contes are euchered, and now show plenty indications of blight. Japanese pears not only blight badly, but the fruit is so inferior as to be nothing short of a fraud. I intend haying the pleasure to meet you at Houston in July. Very truly yours.—J. W. STUBENRAUCH, Mexia, Texas.

[Thanks. Hope to meet you, and hundreds of other such working horticulturists as yourself.—ED. O. & G.]

Dear Sir: Enclosed find two kinds of insects which prey upon my cabbage crop. Can you tell me their names? also how best to destroy them? Answer through TEXAS FARM AND RANCH.—OSCAR KELLNER, New Ulm, Austin Co., Texas.

[The insects, we take it, are what are known as wireworms, or wire cut worms. we have not fully decided, as the worms were pressed flat, but if we are correct in our surmise, they have the habit of cutting the cabbage off just at the ground or above, devouring the tender bud at the center. We would try the application of coal tar water, applied about the roots of the plants, whenever the worms make their appearance, repeating the application every day or two till they ceased depredating. One pint of tar to ten or fifteen gallons of water, allowed to stand twelve or fourteen hours, fills the bill. If anyone has a better remedy we shall be glad to have it.—ED. O. & G.]

DONT MISS THIS—EVERYBODY IS INVITED.

The Texas State Horticultural Society meets in Houston, Texas, July 11th to 13th, and everybody is invited to attend and take part in the proceedings, by talking, listening and making exhibits. Successful men and women will tell all about how to raise fruits, vegetables and flowers for home use, and also how to handle the same so as to get money out of them. If you are a farmer, you should meet with these people, tell all you know, and learn something from them. It will be worth money to you, and will give you pleasure and new ideas. If you want to raise these products for market, attend this meeting by all means. Both the shipper and railroads will talk on markets and marketing.

Take a day off from your work and bring your wife with you, enjoy the excursion to the gulf, and take a swim in salt water.

The world will get along just the same and this may be the first and last bridal excursion you ever want or may ever take.

Low railroad rates, grand discussions, fine exhibitions, large premiums, lots of fun and a warm welcome.

You and your wife cannot afford to miss this meeting and show something.

For further information, address,

E. L. HUFFMAN, Secy.
Fort Worth, Texas.

FRUIT CROP PROSPECTS.

FRANK POWELL.

I notice you seek information concerning the fruit crop. My pears, consisting of LeConte and various bunch varieties, being in full bloom, some of them, and others just putting out at the time of the late freeze, were all killed. The condition of the fruit following the freeze was deceptive in that it remained on the tree for some time before falling, thus causing many fruit growers—doubtless amateurs in the business, like myself, to prematurely herald the announcement that there is an abundance left. The facts do not warrant the construction except in localities where the conditions were favorable. I have a few, and a very few, Alexander peaches left, about one-third crop of Wild Goose plums; Japans all killed; Japan persimmon trees froze back; grapes and blackberries O. K. I am located upon a north side slope, on black soil. Orchards in my vicinity, I notice, upon a much higher altitude, did not, as a rule, suffer so much, while those lower were completely wrecked. I will not get a Mamie Ross peach, and my neighbor, Col. Payne, whose orchard is on the mountain top, perhaps the highest point within a radius of ten miles of Dallas, to my surprise, assures me that the greatest source of revenue from his orchard, the Mamy Ross peach, which he extensively grew for the Dallas market, was completely destroyed.

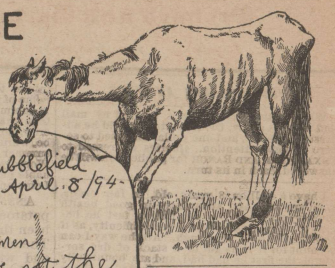
To be successful in fruit culture in this latitude I have no hesitancy in saying that in selecting an orchard, too much importance cannot be attached to the "late bloomer." The LeConte pear is, of course, a failure, for the reason that it blooms too early. For this same reason any other pear blooming at the same time is a failure, either in part or in whole, dependent, of course, to some extent upon the hardiness or vitality of the fruit bud to resist the late frosts and other local causes, and with me the much earlier Kieffer is alike objectionable. With me the berry crop has been regular and sure; has never failed; is alike more profitable. Apples not hurt; mulberry trees frozen back.

These items are merely the product of my experience in the business, and I agree with you, that for the general good, the upbuilding and maintenance of the fruit industry, its final establishment upon a plane of thought and consideration worthy of its great importance to the human family generally, we should give our views when sought, especially when they emanate from actual effort and experience.

Dallas, Texas.

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WILL LINK YOUR THINKS.
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HORSE SENSE
IN A
FEW
WORDS.



Stubblefield April 8/94
"Ordinary" Mower Co.
Gentlemen
You have got the hardest pulling mower I ever backed up against. I tackled one of them two years ago and stuck to it till it knocked me out. The draft is the heaviest I ever saw — Why don't you pattern after the McCormick No. 4 Steel Mower? Its draft is extremely light, making it very easy on horse flesh.
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A. Horse

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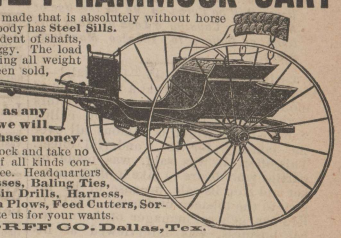
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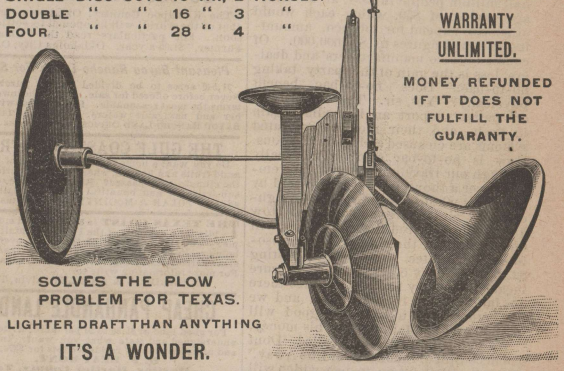
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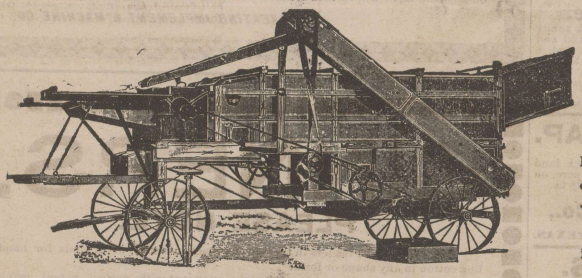
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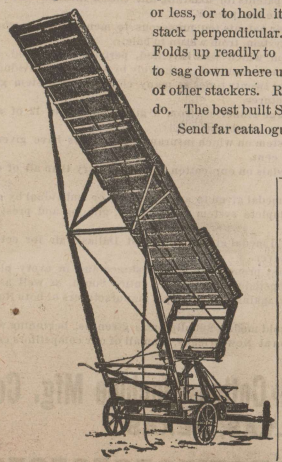
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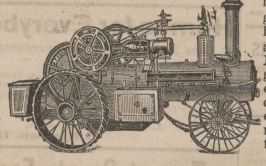
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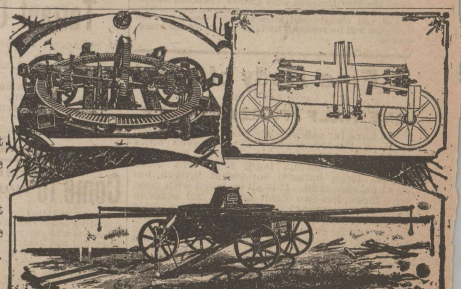
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last two years, and have spent a great deal of my time reading, and I must say here, I am glad to see so many coming to the front in reply to Mabel Clair. Some find marriage a failure, but I suppose M. C. is just talking to get some one to talk back, or merely for argument's sake. I have already stayed too long, so I will slip out and give room for some one else.

Stephenville, Texas.

NOT AT ALL PRESUMPTUOUS.

BETSY.

Dear Mrs. Buchanan: I hope you will not think me presumptuous in asking a space in the Household. I have never mustered up courage before to write to any paper, and dont expect to interest any one, but however, I will write a few lines to say I like to read the Household department very much.

I'll agree with Mrs. Lynch. I would like to read more letters on that subject. I think we young mothers should study that more carefully. I have four children, and need all the information I can get. I have two boys and two girls. I think boys need as careful training as girls, for the most of them are much harder to control than girls.

Dear Mabel, I believe you must be convinced that love is not a failure, I hope you are, at least. Let us hear from the Piney Woods Girl again, as that name sounds familiar to me.

I will close, as this is my first letter. I may write again in the future.

Paradise, Texas.

A HAPPY QUEEN.

ALICE B.

Dear Household: My husband takes TEXAS FARM AND RANCH. I find its reading more valuable than I can express, especially the contents of the Household, so will you kindly allow one who worships at Love's shrine, to enter your pleasant and seemingly happy circle? I would like to ask Mabel what would our dear old world be without love? Indeed, it is love which has incited the grandest deeds, and formed the strongest ties the world has ever known. It is love that holds dear old mother earth together.

Cyclone echoes my very sentiment in saying, "take love from humanity and you take heaven from earth." I have been a wife eight years, although I am only 26 years old. I never can remember a time in my life when I did not love. If you will kindly listen, I will relate my first love. I was just five years old, my lover was much older; he was my dearest treasure, my lovely old cat; he died when I was about one year older; my grief none could know; but it was nothing compared to the want of something I could love and call my own. So dear sister Mabel, let us sing with the poet, "It is better to have loved and lost, than never to have loved at all." Well, sisters, I am sure you will smile, but I never knew how powerful and grand was love, until I became a wife, and rule with a happy heart, the home of my dear husband, for there he has made me queen, and he is my king.

Quanah, Texas.

AN EXCELLENT LETTER.

FRANCIS.

Dear Mrs. Buchanan: Wife and I have long been silent admirers of the Household, and it is with a feeling of reluctance that I enter my feeble protest; but that some of the members need chiding, for the sacrilege they drag into the Household with them is too obvious to deny. I will quote A Bachelor Girl, "Dear Editress: Just sweetly ask those young gentlemen occupying that sofa, to please abscond in favor of four of Nature's curiosities."

Very well, gentlemen, please retire and make room for those four "Nature's monstrosities" curious ba—ahem—ah females, inscribed upon their banners in flaming letters "living for self." We presume our room is preferable to our company.

Their hearts are callous and impervious to the softening influence of that sacred and heaven-born emotion, love.

Living for self, no one to care for, the ultimatum of which is none to care for me. Kind Providence, deliver me! If we had no commendable purpose for which to live, no object to love, nor fond hopes to cherish, it would be preferable with many of us, if life was a "blank." In my humble experience, I have only observed concord and harmony issuing from "Love's temple." The discord our friend noted, arises from an abuse and a misuse of our God-given privileges, as selfish means to meet some selfish aim.

Oh no, dont blame the girl who marries the fellow for the sake of his "rocks." Pity her instead; she will blame herself ere long, and find to her sorrow that cold cash dont bring all the comforts of life. Some spendthrifts have a tenacity of purpose to make those with whom they associate to enjoy life, and if turned to good account, would make a much more desirable companion than the fellow of the miserly qualities, who would be almost sure to make an exacting husband. Riches are very transitory, but cherished love is abiding. The girl who is in search of a rich husband, may have the experience of the children who espied the beautiful bouquet by the wayside. In their eager rush, one made a grasp, and lo! it had vanished, and in its stead nothing but filth remained. It proved to be a lot of butterflies clustered on a deposit of filth.

Not long since we were a watcher by the cradleside of a mother's dying darling. I do not wish to bring the sorrowful scene before the Household, but those who witnessed the uncontrollable grief of the father and mother over the lifeless token of their love, will never say the child passed away unloved.

The very thought of that mother being accused of "wearing pebbles in her shoes," and that too, by one who is wholly incompetent to judge, is sacrilege, almost intolerable.

I admired Allie Lyndsay Lynch's letter of March 10th, very much. Hope she may visit the Household quite often.

Kingston, Texas.

MAKE THE GIRLS INDEPENDENT.

MRS. ADELLA LEONARD.

Dear Mrs. Buchanan: I have been a constant reader of the Household for a number of years, but have never felt so much inclined to write as since I read Mr. Hastings' letter. I am not in favor of Woman's Rights as advocated by some, but I want to see our girls independent of men for a living, and I want to raise my voice against everything calculated to retard that idea and its development.

I am not accustomed to writing for publication, but trust to your charity to give me a place in the Household. I admire our department very much, and find much consolation in reading it.

With a prayer that my efforts may be blessed, and my best wishes for yourself and Household, I remain yours sincerely.

Mansfield, Texas.

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means that children do not get proper nourishment from food. They are therefore thin, narrow-chested and weak.

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The Texas Farm and Ranch Bicycle embodies all the latest improvements and high grade principles to be found in the best wheels turned out by leading manufacturers, and is in all respects warranted to be as good as any road wheel made. It is designed for regular all-around road riding under all circumstances, for riders of all weights and sizes, its wide range of adjustment rendering it adaptable to a 12-year-old boy as well as for a full grown man.

It has always been the policy of Texas Farm and Ranch, in its efforts to build up its circulation, to offer its subscribers as premiums, and as pay to those getting up clubs for the paper, only serviceable, honest goods, at just enough above first cost to pay for the subscriptions.

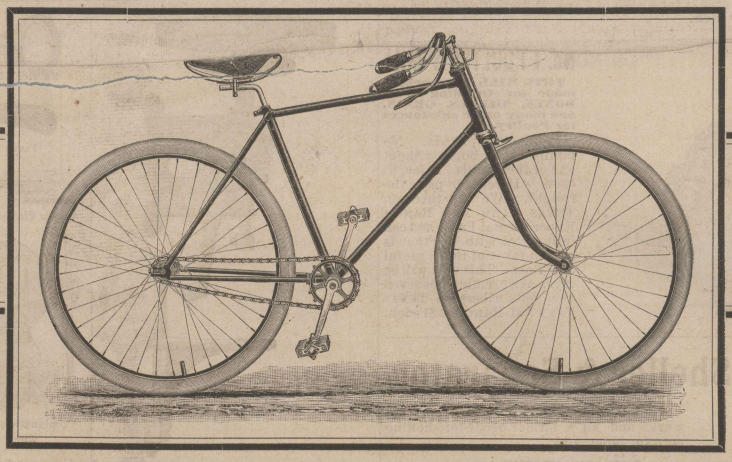
This wheel, under a different name, retails at from $100 to $135, and in order to get them built in our name and at a price that defies competition, we placed a large forfeit compelling us to use ONE THOUSAND MACHINES INSIDE OF TWELVE MONTHS or pay an increased price for what we actually used. Contracting for large numbers secured low prices, and as nearly everybody wants a bicycle, we feel confident of disposing of the thousand wheels. If price is any inducement, we will certainly do it.

Bicycles are sold at all prices, but until Texas Farm and Ranch entered the field, no one could obtain even a fairly good wheel for less than $100. Texas Farm and Ranch is not in the business to make a profit on bicycles, but handles them only for the purpose of increasing its already immense circulation. We did the same thing on sewing machines, and in three months used over two hundred, supplying a better machine for $21 to our patrons than could be had of agents at twice or three times the amount, and we are now giving them as good a show at first-class bicycles.

HOW TO OBTAIN ONE FREE.

Any one with a little intelligent perseverance can obtain one hundred subscribers to Texas Farm and Ranch at $1 each. Do it and the Texas Farm and Ranch Bicycle--best road wheel on earth--will be delivered to you at your nearest depot, freight prepaid. Remember: delivered free at your depot for one hundred annual subscribers, at $1 each per annum, to the best and cleanest farm and family paper published.

DON'T WALK!



DON'T WALK!

READ THE FOLLOWING FOR FULLER DESCRIPTION:

Weight—34 pounds.
Frame—Finest quality of Mannesman steel tubing, regular Diamond.
Wheels—28-inch front and rear.
Rims—Corrugated steel, very strong.
Gear—60 inches.
Wheel Base—43 inches.
Head—Ball bearing, 8 inches.
Spokes—Tangent, butted ends, tied and full nickel plated, 36 spokes to rear wheel, 32 to front.
Cranks—Forged steel, 6½ inch throw.
Crank Axel—Forged steel.
Front Fork—Seamless tubular steel.
Handle Bar—Adjustable, 22 inches long, tubular steel, ⅞ inch cork handles.
Mud Guards—Detachable, when desired.
Brake—Direct adjustable plunger.
Chain—Finest quality, ⅜ inch Humber pattern. Nickel plated and adjustable by patent device.
Pedals—Finest quality of ball bearing rubber.
Bearings—All ball of the finest quality, both wheel and crank shaft bearings being fitted with Binn's patent ball holder and dust protector, used exclusively on TEXAS FARM AND RANCH wheels. By this device the balls and ball race are kept free from dust and retain the oil, permitting the removal of cones without disturbing the balls, a very convenient feature.
Sprocket Wheel—Forged steel, adjustable, accurately milled to fit chain. Securely fastened to crank axle and rear hub by a device invented by the makers, which absolutely prevents loosening.
Tires—Pneumatic, 1¾ inch Morgan & Wright, fully guaranteed by the makers, to whom all tires should be sent for repairs.
Saddle—TEXAS FARM AND RANCH, the latest and best.
Tool Bag—Finest russet leather, nickel plated pump, oil can, wrench and screw driver.
Finish—Jet black enamel, highly finished, with all bright parts heavily nickeled on copper.

If you have not the time and inclination to secure one hundred subscribers, you can obtain the Texas Farm and Ranch Bicycle--best road wheel on earth--and Texas Farm and Ranch one year, by sending $67; delivered free at your nearest depot.

It is not necessary to send in all the subscribers at one time. If you want the bicycle at once, send $67 for it and one subscription, and balance of subscribers at $1 each as you obtain them until the remaining $33 are paid, and then on the next sixty-seven subscribers you retain the money, thus getting your machine absolutely free of cost to you.

Send for sample copies, etc., at once, free, and go to work before some one gets ahead of you.

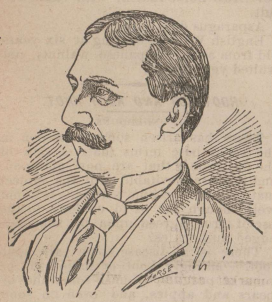
Address TEXAS FARM AND RANCH, DALLAS, TEXAS.

Farm Machinery.

PROMINENT BUSINESS MEN TALK ABOUT TEXAS.

MR. CHAS. F. HUHLEIN,

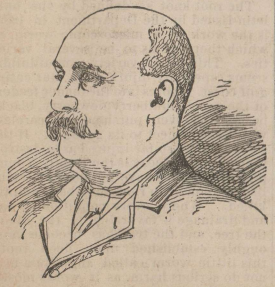
General Manager for B. F. Avery & Sons, of Louisville, Kentucky, has been going up and down in Texas for several weeks, for the purpose of pushing the business of his firm, and was so well pleased with the prospect that he called on TEXAS FARM AND RANCH and unburdened himself thus: "My first impression of Texas was that it was just a little too dry and windy. After a stay of two or three weeks I came to the conclusion that the climate was just windy enough and dry enough to make her general salubrity surpass that of any other state. The people east of the Mississippi are very much interested, I may say even excited about the continued increase of the Texas cotton crop, and when you consider that many districts in the older cotton states produce about one bale to five acres, whereas Texas produces from one-half to one bale per acre, you can readily see the reason for this. Take the great American wheat crop, for instance—400,000,000 bushels, which, at the present value of 50 cents per bushel, is worth $200,0000,000, and by the side of this place the present cotton crop of 7,000,000 bales, at 6 cents per pound, worth $210,000,000, and consider that Texas produces from one-fourth to one-third of the total amount. In other words, Texas cotton alone equals in value one-third of the total American



wheat crop, without counting her 900,000 tons of cotton seed, worth $15,000,000. Thus you get an idea not generally known of the immensity of Texas agricultural interests. The black lands of Texas are marvelous in fertility, and the sandy loams of the Panhandle and most of the Coast belt will, when the people learn exactly how to handle them, no doubt, be found almost, if not quite, as satisfactory in results. The The farmers and merchants of the state, during the recent financial squeeze, have manifested their ability to stand up to their financial obligations as well, if not better that those of any other state or territory; and we ought to know something of this, for we do business in every state and territory of the Union. In fact, the state and her people are in a better condition than they themselves know. Texas is a state offering equally splendid inducements for the poor, the middle class, and the rich, and her future is bright with promise."

COL. E. CONKLIN,

of Racine, Wisconsin, Secretary and Treasurer of the Racine Wagon & Carriage Company, is again in Texas, on a business trip, and before he leaves will



have traveled nearly all over the state. He is enthusiastic over the condition of Texas, and in an interview with TEXAS FARM AND RANCH says he was in the state two years ago and remained five weeks and formed many favorable opinions concerning the state at large, but from observations already made on the present trip, great improvement has been made in the agricultural development of the country and large portions of the state compare favorably with the best parts of the old state of Iowa, and by close observation and inquiry he finds that the resources of Texas are greater than those of any other state he has been in, because here can be raised anything and in any quantity. "I am glad to see," continued the colonel, "that your farmers are bending their energies to diversified farming and improvement of live stock, not depending upon any one crop, as was formerly the case, and as was perceptible on my visit two years ago. This will certainly result in greater prosperity to the state at large. When I was here two years ago, the principal crop seemed to be cotton, but I see now, in passing over the country, a great deal of corn already up, and the fields in the best possible state of cultivation. We have enjoyed a splendid trade in your state for the past five years, and from present prospects it bids fair to reach the $75,000 mark this year, through the efforts of B. F. Avery & Sons, who are handling our goods in this state. And I am pleased to learn that the credit of the state is fully up to the standard of the Eastern and Middle States, which is the very best evidence of the prosperity of your farmers. Your cities, such as Dallas, present a healthy business appearance. The boom days having passed, your business men are settled down into a good, healthy, thriving, business condition. I am glad to see Dallas fully recovered from the set-back that always follows a boom, and good substantial improvements, both of a public and private nature, steadily going on. Eastern capital will certainly seek investment in Texas, as there cannot be any safer security than your business and farm property. No, I have not had the pleasure of a trip on the Harvey down the Trinity river, but will try to avail myself of that pleasure before going home. It would be a grand thing if your river could be so improved as to give you a water outlet, (and this will no doubt be accomplished sooner or later) although you have splendid railroad facilities throughout the state. I believe, from what I know of the railroad companies, that they, in common with your own people, are earnest in making the state of Texas the Banner State of the Union."

THE KINGSLAND & DOUGLASS COTTON PRESS.

The Kingsland double box steam cylinder self packing press as per cut herewith, has a cylinder 30 inches in diameter, 6 feet 8½-inch stroke. It is made heavy, and the iron is the very best, so the cylinder is free from flaws and imperfections on the inside; the cylinder is carefully bored, and is perfectly true; both ends of the cylinder are open, and the flanges of same are faced off. The Kingsland press is provided with but one piston rod, 5 inches in diameter, which is made of the best steel, turned perfectly smooth. It has been demonstrated that the Kingsland press, on account of having but one piston rod, works lighter and with less steam than presses having two piston rods, as at times the latter will bind, and in consequence requires a great deal of pressure to force the piston up. The least little variation in the manufacture of the double piston rod causes the trouble above complained of, which is missed in the construction of the Kingsland press.

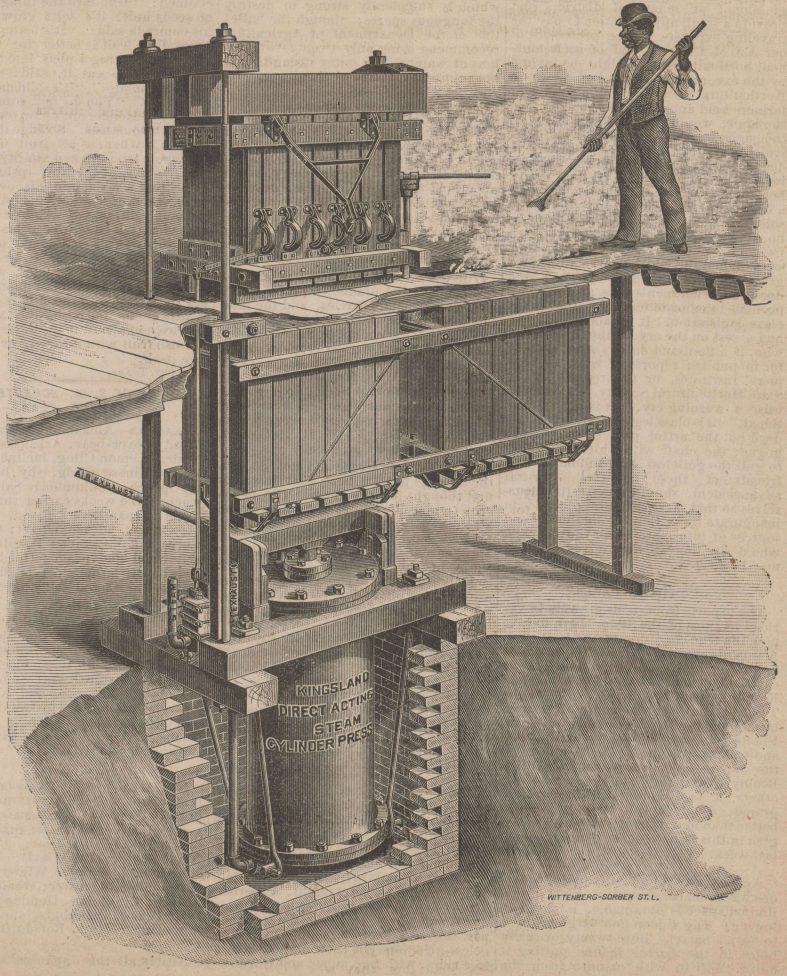
The cut herewith shows the manner in which this press is constructed, and the setting of it overcomes the objections and difficulties that exist when the cylinder is placed on foundation timbers in the bottom of the pit, as in such cases the cylinder must also depend on the floor of the gin house for support, which is not always firm, and in addition to this the cylinder has a tendency to imbed itself in the foundation timbers, and as a consequence presses that are set differently from that in the cut get out of line, and an endless amount of trouble is the result. The foundation timbers of the Kingsland press are above the ground, and it has the entire weight of the press and cylinder to support. The cylinder, as well as the frame work of the press, is supported by heavy rods, and can readily be kept in line, and it is positively the only style of setting free from objections. The wood work of the press is strong and substantial and of the best kind of lumber. Everything is thoroughly fitted so that all parts come right. The upper box is provided with automatic dogs which hold the cotton in the top of the press when the follower recedes for the reception of another charge. This operation is repeated until a sufficient amount of cotton is in the upper box to form a bale, consequently no tramping is required. When the cotton is being packed in one of the boxes the bale is being tied out in the other.

The Kingsland & Douglas Manufacturing Company also make this same press with single instead of double boxes; also make a single and double box Reeder Hercules Screw self packing press, which are the only successful screw self packing presses in the market.

They warrant their machinery fully, and we can recommend them to anyone wanting goods of this kind.

For further information address Kingsland & Douglas Manufacturing Company, St. Louis, Mo.

The Vehicle Catalogue for 1894, of the Keating Implement and Machine Co., of Dallas, is an elegantly illustrated and descriptive price list of the buggies, phaetons, carriages, surreys, road and spring wagons and harness handled by this well known firm. Thousands of people in the Southwest are familiar with the celebrated "Lakeside" buggy and "Pontiac" road wagon, which are noted for giving satisfaction to the worst croakers on earth. This is the most attractive catalogue ever issued by a Texas dealer; but the goods offered are still more attractive.



Don't Tobacco Spit and Smoke Your Life Away.

Ah! what a warning this should be to millions of America's men who are daily tearing down their naturally strong physical and nervous system. Do you smile when we say that the use of tobacco is not a "habit" but a disease? Stop a moment! Did you not educate yourself to use tobacco—did not take to it naturally? Well, no! And now you want it—why? Because tobacco tastes good? No, but to gratify a feelling hard to explain, and only satisfied by nicotine.

LIFE'S SHORT! The use of tobacco makes it shorter.

We want to say right here that we have not *the time*, much less the inclination, to preach printed sermons for the sake of making a man quit tobacco, *If he doesn't know that it hurts him.* We want to talk to the man who realizes that he is *tobacco* spitting and smoking his life away, who *wants to stop and can't.* Do you ever stop and think that tobacco produced a diseased condition of the nervous system—so much so that you are compelled, from time to time, to feed the never-ceasing demands with tobacco, and that you may have, like millions of other men,

A TOBACCO HEART? Nearly every day the newspapers give an account of some eminent man falling suddenly dead at his desk from heart disease. As a rule no middle-aged man in active business dies thus suddenly unless poisoned, and that poison, in the majority of cases, is tobacco. Meanwhile the slaughter goes on. The press and the pulpit seems muzzled, the majority being participants in the popular vice, and those who are not seem hypnotized and afraid to speak out.

VITALITY NICOTINIZED. Tobacco destroys manhood.

Tens of thousands of men feel the darkening clouds of early decline upon them, because nature, *not exhausted naturally*, but burdened with the taking care of a tobacco-poisoned blood, fed day aud night, has surely and slowly succumbed to the frightful effects of tobacco upon the vital forces, that makes *strong men IMPOTENT* and *destroys their manhood.*

You ask for proof. Test **No-to-bac** under our *absolute guarantee;* feel how quick **No-to-bac** kills the desire for tobacco, eliminates the nicotine, steadies the nerves, increases the weight, makes the blood pure and rich and tingling with new life and energy. Hundreds of letters from aged men testify to years of tobacco slavery, and tell how **No-to-bac** destroyed tobacco's power and brought back feelings long since dead, while sensations of a younger existence once more warmed the cockles of the old man's heart. Gloomy days were gone; the sunshine was brighter; the warbles of the little birds all spoke of love; the old man made young again-and happy.

IT IS TRUE, NO-TO-BAC DOESN'T CURE EVERY ONE.

What's the use of telling a lie to get caught at it? You know and so do we, that the claim *"never fails to cure"* is a quack lie, and fraud's talk. We do business with the good American people, appreciate their patronage, and give value received. Our guarantee is clean cut and to the point. Read it. We would rather have the good-will of the occasional failure than his money. We talk about this for *your own sake* and to protect you from frauds and thieves—the meanest kind of a thief, who would rob you within the pale of the law, They go far enough in the imitation of **No-to-bac** to practice a fraud on you and escape prosecution. Beware of the man who says, *"just as good as NO-TO-BAC." It stands alone, backed by men of national business reputation and integrity,* who are personally known to the publisher of this paper, who also is ready to indorse our guarantee. ☞Send for our book and read of the thousands not only cured of the tobacco habit, but made strong, vigorous and manly in strength, weight and vitality once again. You run no risk. **No-to-bac** is guaranteed to cure or money refunded.



TENS OF THOUSANDS OF TRUTHFUL TESTIMONIALS

Have been received in 1893 from enthusiastic users of **NO-TO-BAC.** We print a few to show how **NO-TO-BAC** does the work. The truthfulness of testimonials printed in support of proprietary preparations is sometimes discounted. *We do not want our testimonials discounted, for they are truth—pure and simple.* We know it, and propose to back them up by offering *a reward of $5,000* to any one who can prove that any testimonial published herein is false, and that we have knowingly and willingly caused to be printed *testimonials that do not, so far as we know, represent the honest opinion of the writers.* Signed,

H. L. KRAMER, Treasurer.

Tobacco Caused Consumption—No-To-Bac Cures the Tobacco Habit and Consumptive Gets Well.

TWO RIVERS, Wis., Feb. 2—[Special.]—Great excitement and interest has been manifested in the recovery of an old-time resident of this town, Mr. Jos. Bunker, who has for several years been considered by all his friends a hopeless consumptive. Investigation shows that for over thirty-two years he used three and a half pounds of tobacco a week. A short time ago he was induced to try a tobacco-habit cure called "No-To-Bac." Talking about his miraculous recovery to-day he said: "Yes I used No-To-Bac, and two boxes completely cured me. I thought, and so did all my friends, that I had consumption. Now they say, as you see, 'how healthy and strong you look, Joe,' and whenever they ask me what cured my consumption, I tell them No-To-Bac. The last week I used tobacco I lost four pounds. The morning I began the use of No-To-Bac I weighed 127¾ pounds; today I weigh 163, a gain of 41¾ pounds. I eat heartily and sleep well. Before I used No-To-Bac I was so nervous that when I went to drink I had to hold the glass in both hands. To-day my nerves are perfectly steady. Where did I get No-To-Bac? At the drug store. It is made by the Sterling Remedy Company, General Western Office 45 Randolph street, Chicago, but I see by the printed matter that it is sold by all druggists—I know all the druggists in this town keep it. I have recommended it to over one hundred people and do not know of a single failure to cure." (This special telegram appeared in over 3,000 papers of the Western Union Association.)

Cured Three Brothers from Tennessee.

MCDEARMON, Tenn., June 9, 1893.—Gentlemen: In regard to the result of No-To-Bac in my case I can cheerfully say that I am entirely cured of the tobacco habit. About one and one-half boxes did the work for me, and my two brothers were cured with less than three boxes each. We have also sold about forty boxes of No-To-Bac with good results. I always speak in praise of No-To-Bac. Yours truly,

W. W. MCDEARMON.

Cured Her Husband, Uncle and Others.

BROWNSVILLE, Oregon, July 31, 1893.—Dear Sirs: I am happy to say that No-To-Bac has cured my husband, J. J. Brown, and I think, permanently. He had used tobacco for eighteen years. One box of No-To-Bac did the work. Several others have used it upon his recommendation, and we hear nothing but good reports. My uncle, who had been an incessant smoker for thirty years, was cured and all he used was one box. I cannot tell you how pleased I am with No-To-Bac, for my husband had tried often to quit but failed. Yours thankfully,

MRS. J. J. BROWN.

Cured Her Three Brothers of the Vile Habit.

TUCKASEIGEE, N. C., Jan. 2, 1893.—Gentlemen: Inclosed please find order for eight boxes of No-To-Bac. I am satisfied that it is a good thing. I have seen the evil effects of tobacco, and want to do what I can to destroy its influence with my fellow men. Three of my brothers have been cured of the vile habit by the use of No-To-Bac, and it had a decided effect on one of them. He has gained in flesh rapidly and his skin looks clear and healthy. The other two I have not seen since taking No-To-Bac, but they are satisfied with the treatment. You may put me down as one of your agents. Respectfully,

MRS. MARY T. HOOPER.

No-To-Bac Cures the Auditor of Polk County, Minn.

CROOKSTON, Minn., Sept. 11, 1893.—Gentlemen: On the 3d day of July last I received three boxes of your No-To-Bac and began using same according to directions. I have not used any tobacco from that day to this. During the treatment my appetite improved and I felt better. I am now free from the desire for tobacco and give No-To-Bac the credit. I am sure it would have been impossible for me to have quit the use of tobacco without the assistance of No-To-Bac. Very truly yours,

C. U. WEBSTER, County Auditor.

Cured His Wife of Using Snuff.

BIG SPRINGS, Texas, July 26, 1893.—Gentlemen: The three boxes of No-To-Bac purchased by me were for my wife to cure the snuff habit. I am glad to report that she has not used snuff for nearly two months. It seems to be a perfect cure. She had used snuff since early childhood. Tried several times to quit, but could not. No-To-Bac has been worth $500 to me in the cure of my wife. You are at liberty to publish this if you like. Very truly yours,

W. B. WILLIS.

Chewed Forty Years and Feels Like a New Man.

KITCHEN, Jackson County, Ohio, May 8.—Dear Sirs: I had chewed tobacco for over forty years. I purchased one box of No-To-Bac and it cured me. I feel much better, sleep good, have a good appetite, have gained in weight; in fact I feel like a new man. No-To-Bac also cured my brother and another gentleman of my acquaintance. Yours very truly,

HENDERSON OLIVER.

"He Swallowed Tobacco Juice and Was a Bad Case."

HADDONFIELD, N. J., Oct. 16, 1893.—Gentlemen: I have used the No-To-Bac that you sent and it has cured me of the tobacco habit. I was a very bad case—swallowed the juice of tobacco. Yours truly,

JERE H. NIXON, Cash'r Haddonfield Nat'l Bank.

OUR GUARANTEE IS PLAIN AND TO THE POINT.

PUBLISHER'S GUARANTEE.

We, the publishers of this paper, know the S. R. Co. to be reliable and will do as they agree, this we

Three boxes of NO-TO-BAC, 30 day's treatment, costing $2.50, or a little less than 10c a day, used according to simple directions, is guaranteed to cure the tobacco habit in any form, Smoking, Chewing Snuff and Cigarette Habit, or money refunded by us to dissatisfied purchaser. We don't claim to cure everyone, but the percentage of cures is so large that we can better afford to have the good will of the occasional failure than his money. We have faith in NO-TO-BAC, and if you try it you will find that NO-TO-BAC is to you

Worth Its Weight in Gold.

WHERE TO BUY OR ORDER NO-TO-BAC.

Sold by every wholesale druggist and thousands of retail druggists throughout the United States and Canada, or sent by mail to any part of the world on receipt of price—1 box $1; 3 boxes, $2.50. Remit in any convenient form. The President of this company, Mr. A. L. Thomas, is a member of the great advertising firm of Lord & Thomas, Chicago. The vice president, Mr. W. C. Barbee, is the principal owner of the Barbee Wire and Iron Works of Lafayette, Ind., and Chicago, Ill. The secretary is Mr. P. T. Barry, of the Chicago Newspaper Union, Chicago. The treasurer is Mr. H. L. Kramer, general manager of the Indiana Springs Company, owners and operators of the famous Indiana Mineral Springs, Ind. the only place in the country where **magnetic mineral mud baths** are given for the cure of rheumatism. We mention this to assure you that remittances will be properly accounted for, that our GUARANTEE WILL BE MADE GOOD AND YOUR PATRONAGE APPRECIATED.

BE SURE when you write to mention this paper and address

THE STERLING REMEDY CO.,

BOX 67, INDIANA MINERAL SPRINGS, WARREN COUNTY, IND.

CHICAGO OFFICE: 45-47 Randolph St. NEW YORK OFFICE: 10 Spruce St.