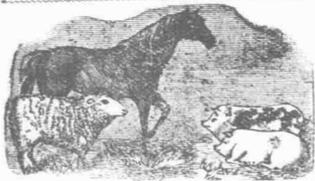


LIVE STOCK



Edited by Benj. Irby, M. S., Late Prof. Agriculture, N. C. A. & M. College; and F. E. Emery, M. S., Secretary-Treasurer N. C. Swinebreeders' Association.

RAISING SPRING CALVES.

Correspondence of The Progressive Farmer.

More than the usual attention should this season be paid to the raising of calves for the dairy. Last year there was a large demand for this kind of stock and there is reason to suppose that it may continue at least a year or two longer.

Farmers should raise enough of their best heifer calves for the use of their own dairies, and if they can do more than this there will undoubtedly be a ready demand for them provided they are of the kind wanted.

The raising of milking stock for the dairy is an important feature of the business and should receive more than ordinary attention. Care should be exercised in selecting the most promising animals for raising—that is from the best milk and butter producing stock—and if there is not enough of those on the farm, it will pay to get them from other sources.

All should remember that it costs little if any more to raise a well bred calf than an ordinary one, and it may prove to be worth twice or three times as much.

There will also undoubtedly be a large demand for veal calves. This is generally the case when beef is scarce or high. In some parts of the country, and particularly at the West, where there is a larger proportion of the beef breeds should this be a profitable industry. But wherever the calves are raised they should be well cared for from the first and fed with special reference to the purpose to which they are to be devoted, whether for the dairy or for beef.

E. R. TOWLE.

Franklin Co., Va.

HOG CHOLERA.

I have lost up to this time about twenty hogs with cholera and have more sick ones that will surely die unless they get relief. I have been giving them freely of turpentine and linseed oil and using coppers freely about their runs, but I can't stop it. Can you direct me what to do? I am like the fellow that fell off of the bridge, who is said to have exclaimed: "Lord, save me and be quick about it." If you can do me any good you will have to be quick about it.

C. B.

Parkersburg, W. Va.

Answer by Horace Atwood, Assistant Agriculturist W. Va. Experiment Station.

There is no known remedy for hog cholera, and that can be done is to prevent the infection of healthy animals. The disease is caused by a minute organism which is taken into the system, where it multiplies rapidly, causing inflammation of the large intestine, and finally death. The problem is how to prevent healthy hogs from being infected. This can best be done as follows:

- (1) Remove all healthy hogs to uninfected pens.
- (2) Burn or bury all carcasses.
- (3) Clean and disinfect the premises thoroughly.
- (4) Feed all hogs according to the following prescription: Wood charcoal, 1 pound. Sulphur, 1 pound. Salt (NaCl), 2 pounds. Sodium carbonate, 2 pounds. Sodium hypsulphite, 2 pounds. Sodium sulphate, 1 pound. Antimony sulphide, 1 pound. The above to be thoroughly pulverized and mixed. Dose: Tablespoonful to each 200 pounds weight. Given only once a day.

Among the disinfectants which are recommended by the Department of Animal Industry are the following:

- No. 1. Slaked or unslaked lime, used both as a powder and as slaked lime, containing about 5 to 10 per cent. of dry lime (from 1/2 to 1 pound of lime to a gallon of water).
- No. 2. Crude carbolic acid, prepared by adding to the crude carbolic acid obtainable from druggists at about 90 cents a gallon an equal quantity of ordinary sulphuric acid. This mixture is to be carefully added to water in the proportion of 2 ounces to 1 gallon of water, about 1 1/2 per cent. volume.
- No. 3. A 1 per cent. solution (volume) of ordinary sulphuric acid (1 1/2 ounces of the acid to 1 gallon of water).
- No. 4. A 2 per cent. solution of pure carbolic acid. This is prepared by heating the crystals slightly until they melt and adding the resulting liquid to

hot water, in the proportion of 1 1/2 ounces to half a gallon of water. (A pound of carbolic acid, crystallized, retails at 50 cents).

I hope that you will be successful in overcoming the outbreak. The disease is by far the most serious difficulty which pork producers have to encounter, and the Department of Animal Industry has been working on the problem for years, but as yet no remedy for hogs already sick of the disease has been found.

IT IS GROWING.

Stock-Raising in North Carolina—State Is Well Adapted for It.

It is next to impossible to give an adequate idea of the possibilities of stock raising in North Carolina in a brief article. One can tell but little of what has been accomplished, and less of what is in store for the future. Stock-raising can be carried on successfully in almost every county in the State. But, of course, to better advantage in some sections than in others. A large portion of that section of the State west of Raleigh is especially adapted to stock-raising. But many of the finest horses, cows, hogs and other animals ever produced in the State were raised east of Raleigh. For instance, the Kennedy stock farm, in Lenoir county, about eighty miles east from Raleigh, has produced trotting horses of great beauty and speed.

If you will look at a map, you will notice a chain of counties along and near the Southern Railway, from and including Wake, to the Tennessee line, all of which are adapted to grain and grass growing. I will name some of the counties, as follows: Durham, Orange, Alamance, Randolph, Guilford, Davidson, Forsyth, Davie, Rowan, Cabarrus, Iredell, Mecklenburg, Lincoln, Catawba, Burke and others. In these counties much of the land produces wheat, oats, corn, clover, timothy and other grasses abundantly, and of the very best quality. A great deal of the soil is red limestone, the very best for clover. The climate is admirable, timber is plentiful, water excellent (a very important matter in stock raising of any kind). The above counties won many premiums for farm products at the Columbian Exposition, especially for specimens of grains.

Our ancestors were induced to believe that North Carolina only raised cotton, rice and turpentine. They gleaned this information from old geographies. Sixty or seventy years ago, those products gave the State what little prestige it had in agricultural affairs. But to-day North Carolina is a great agricultural as well as a manufacturing State, and stock-raising is an important feature on many farms. North Carolina, up to a recent date, was the home of the "re-z-z back" hog and other scrub animals. Thirty or forty years ago a sixty pound porker was a rarity. By and by, a few farmers began to raise hogs that would weigh 150 or 200 pounds. The natives were astonished.

To-day, hogs weighing four, five and six hundred are almost as common in this State as they are in Illinois and Iowa. Scrub cows are giving way to Jerseys and other fine strains. Sheep that produced two or three pounds of wool per annum are giving away to improved breeds that produce several times as much wool and mutton. Superb trotters are going by the four and five minute "joggers." Within the past ten years, dozens of horses have been bred in the State and have entered the 230 class before they were three years old, while a number of others have made their mile in less than 2:20. "Pamlico," now dead, was raised in Raleigh. His best record was 2:10 1/2 only a fraction of a second behind the fastest stallion in the world. He was less than eight years old when he died, and was rapidly clipping off seconds from previous records.

When we consider that North Carolinians raise and spin more than 300,000 bales of cotton annually, raise and manufacture many million pounds of tobacco, and in addition, raise so many other things, filling every blank in the census reports, the stranger naturally wonders how much has been done in stock-raising. The business is yet in its infancy. Improved breeds and methods have been started here and there, and are sweeping over the State like an epidemic. Probably twelve years ago, Mr. W. S. Upchurch, of Raleigh, bought the first Jersey cow ever in the State. Now there are hundreds of fine herds of Jerseys, Short horns and other noted breeds scattered over the State. I wish I could name a number of those who are entitled to credit for bringing blooded stock into the State and demonstrating the possibilities in that line. I can only recall a few: J. W. Kennedy, Lenoir Co.; Capt. B. P. Williamson, Wake Co.; Col. J. S. Carr, Durham Co.; Col. Bennehan Cameron, Orange Co.; the Holts and others in Alamance Co.; J. M. Harrison, Rowan Co.; Dr. J. J. Mott, of Iredell Co., and many others. All these gentlemen have proven, beyond

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a doubt, that the finest horses, cattle and hogs can be raised as successfully and as cheaply in North Carolina as elsewhere. A number of them are successful dairymen. The fact that Mr. Vanderbilt has spent several million dollars for Western North Carolina land, and for improving the same, which he is rapidly converting into a model dairy and stock farm, ought to be proof that he thinks North Carolina the ideal country for such an enterprise. It has been said that Mr. Vanderbilt is just "playing farmer;" that fancy farming cannot be carried on anywhere except at great loss. But Mr. Vanderbilt is now prepared to and is furnishing the city of Asheville with fine milk, butter, eggs and other produce daily at good prices, showing that he means business. Best of all, land can be purchased cheaper in North Carolina, quality and other advantages considered, than anywhere else in the world. J. L. RAMSEY, Sec'y State Board of Agriculture, in Southern Field.

TRIBUTE TO THE MEMORY OF COL. L. L. POLK.

Correspondence of The Progressive Farmer.

A few things in this fitful striving life of ours are divine. A few things stand out in bold relief over the petty strife and bickerings like the North Star; a divine beatitude; pure and translucent; a light and a guide to the nations and the ages.

Such an one is the life and character of our deeply lamented brother and friend, Col. L. L. Polk.

Too late! Too late, is it, to offer this slight tribute of respect to this grand lover of humanity? Ah, friends, it is never too late to eulogize the memory of the truly good and great—never too late to recognize the truth of a divine principle. When the Golden Rule and the Sermon on the Mount die, then let us forget the life and services to humanity of Col. L. L. Polk.

I have just received a late copy of THE PROGRESSIVE FARMER and as I glanced downward along the official column my eyes beheld the memorable words of our departed friend and brother at that opportune moment:

"I am standing, now, just behind the curtain, and in full glow of the coming sunset. Behind me are the shadows on the track, before me lies the dark valley and the river. When I mingle with its dark waters I want to cast one lingering look upon a country whose government is of the people, for the people, and by the people."

Instantly, upon reading these words, one of the most perfect and beautiful pictures in the whole annals of American history, comes to my mind.

I refer to that ever memorable event at Topeka, Kansas, when the "Soldiers in Blue" went out together in an official body to receive the "Soldiers in Gray," who were on their way to meet them. All the hostilities of fratricidal warfare had ceased. The implements of war were stacked away in the army of Peace. The sounds of martial music floated out on the summer air, this time, symphonies sweet as the New Jerusalem. It was a glorious meeting. Tears glistened on the bronzed faces of the gray-haired veterans. Eyes dimmed with age and service shone with a new radiance. Joy and gladness were in their faces; a new hope was in their hearts. In the presence of that vast representative assemblage, the "Brothers in Gray" and "Brothers in Blue" clasped hands, pledging eternal fidelity to a common cause—a battle of brains against a battle of bullets—no North, no South, no East, no West—a united people in the great battle for human rights; the great battle for a government "of the people," for the people, and by the people.

It was an eventful moment—Col. Polk standing in their midst, the motive spirit; his calm placid face beaming with a divine effulgence. He had arrived at the very acme of his earthly existence. He saw the culmination of what he had so well and so nobly lived, striven and sacrificed for. The

barriers were torn away. He was standing, even now, on the threshold of his new existence. To his higher and finer mental vision, the curtains were about to be lifted.

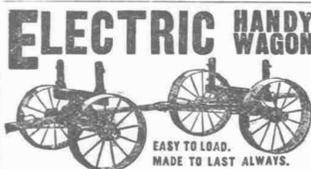
Why he was to be taken just when the nobility of his soul, the purity of his life and the usefulness of his services were so needed in Alliance work is one of the problems of life that the finite mind cannot compass nor comprehend. Just when he was most needed, the curtain to his mortal vision was lifted and he has passed on to a higher life and higher duties. But his memory remains; a light and a guide, a copy for the nations and the ages.

A grand work remains for every Alliance brother and sister, infinitely grander because Col. Polk has lived. Who among all our ranks shall be found grand and true enough to take up the work where it has fallen from his hands? It has been said that "God raises up great men to meet great emergencies." The emergencies are at our very doors. Who among all our number from the great common plain people, in the common ranks in life, is being built up to take his place along-side with this truly great man in the hearts of his countrymen. History, by and by, with an unerring hand records her nation's benefactors. And, in the grand galaxy, the staunch old State of North Carolina will point with loyal pride to the name emblazoned in characters of living light—her honored son, patriot and statesman—Col. L. L. Polk. ANNA D. WEAVER.

Ashton, Pa.

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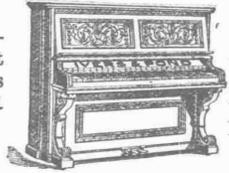
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Schedule in Effect February 7, 1897.

SOUTHBOUND.		
Lv. New York, Penn. R. R.	No. 462	No. 461
Lv. Philadelphia,	" 11:00 am	" 9:00 pm
Lv. Baltimore,	" 3:15 pm	" 2:30 am
Lv. Washington,	" 4:40 pm	" 4:30 am
Lv. Richmond,	A. C. L.	" 5:50 pm
Lv. Norfolk,	S. A. L.	" 8:45 pm
Lv. Portsmouth,	" 8:45 pm	" 9:30 am
Lv. Weidon,	" 11:28 pm	" 11:55 pm
Lv. Henderson,	" 12:28 pm	" 12:35 pm
Lv. Durham,	" 5:20 pm	" 4:45 pm
Lv. Durham,	" 5:20 pm	" 11:10 am
Lv. Raleigh,	" 8:20 pm	" 9:30 pm
Lv. Sanford,	" 3:35 am	" 5:08 pm
Lv. Southern Pines,	" 4:22 am	" 5:55 pm
Lv. Hamlet,	" 5:10 am	" 6:43 pm
Lv. Wadesboro,	" 5:54 am	" 7:27 pm
Lv. Monroe,	" 6:43 am	" 8:16 pm
Lv. Charlotte,	" 8:30 am	" 10:25 pm
Lv. Chester,	" 8:30 am	" 10:25 pm
Lv. Columbia, C. N. & L. R.	" 9:45 am	" 11:40 pm
Lv. Clinton,	S. A. L.	" 10:35 am
Lv. Greenwood,	" 11:05 am	" 1:00 pm
Lv. Asheville,	" 11:05 am	" 1:00 pm
Lv. Asheville,	" 11:05 am	" 1:00 pm
Lv. Athens,	" 1:19 pm	" 3:15 pm
Lv. Winder,	" 2:50 pm	" 4:45 pm
Lv. Atlanta, (Central time)	" 3:20 pm	" 5:15 pm

NORTHBOUND.		
Lv. Atlanta, (Central time)	No. 462	No. 38
Lv. Atlanta, (Central time)	" 12:00 pm	" 7:30 pm
Lv. Winder,	S. A. L.	" 10:45 am
Lv. Athens,	" 3:16 pm	" 1:28 pm
Lv. Elberton,	" 4:15 pm	" 2:28 pm
Lv. Asheville,	" 5:10 pm	" 3:20 pm
Lv. Greenwood,	" 5:41 pm	" 3:51 pm
Lv. Clinton,	" 6:44 pm	" 4:54 pm
Lv. Columbia, C. N. & L. R.	" 7:40 pm	" 5:50 pm
Lv. Chester,	S. A. L.	" 8:45 pm
Lv. Charlotte,	" 9:45 pm	" 6:50 pm
Lv. Monroe,	" 10:35 pm	" 7:40 pm
Lv. Hamlet,	" 11:23 pm	" 8:28 pm
Lv. Wilmington,	" 12:20 pm	" 9:25 pm
Lv. Southern Pines,	" 12:34 am	" 10:39 pm
Lv. Raleigh,	" 12:48 am	" 11:53 pm
Lv. Henderson,	" 3:28 am	" 1:40 pm
Lv. Durham,	" 5:20 am	" 3:32 pm
Lv. Durham,	" 5:20 am	" 3:32 pm
Lv. Weidon,	" 8:45 am	" 6:50 pm
Lv. Richmond, A. C. L.	" 8:45 am	" 6:50 pm
Lv. Washington, Penn. R. R.,	" 12:31 pm	" 11:45 pm
Lv. Philadelphia,	" 1:59 pm	" 1:13 pm
Lv. New York,	" 6:24 pm	" 5:38 pm
Lv. Portsmouth, S. A. L.	" 7:30 am	" 5:45 pm
Lv. Norfolk,	" 7:30 am	" 5:45 pm

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