

THE INDUSTRIAL AND EDUCATIONAL INTERESTS OF OUR PEOPLE PARAMOUNT TO ALL OTHER CONSIDERATIONS OF STATE POLICY.

## Raleigh, N. C., May 29, 1900.

# Agric ture. ADTOULTURE OR MANUFACTURING

Vol. 15.

should North Carolina Cease Further Efforts to be an Agricultural State and Bend all Its of Mr. J. J. Liles, of Anson County, at A. & M. College, Ealeigh, May 19, 1900.

North Carolina is an agricultural state. Its lands are productive, in all sections yielding under proper cultivation a generous return to labor. Even if we are excelled in the production of a few special crops, we cannot afford to give up any that we now raise. If the wheat and corn crops of the Western States are failures, those States are badly crippled, but with our soil and climate, we are not dependent on any one crop. If the sugar crop is a faila failure in Kansas, if the cotton crop in Texas and Mississippi is rained, then these States are thrown into a deplorable condition ; but with our diversity of crops we are sure to hit the season.

the production of cotton, but can we afford to give up our 600,000 bales worth \$24,000,000, when the demand for cotton as now shown by the ris-\$2,200,000. face of such great competition, and tion over \$2 per-year. baeco, \$6,000,000. Bull Durham." North Carolina's strawberries are artificial life. twice that amount. Putting a low e-timate on all of our crops and summing them up, we find that we sell \$77,000,000 worth of produce annually, besides a large sum which is toulized from our forest products.

every thirtieth encumbered.

It is true that we are excelled in ing communities it is a great deal would mean the congestion of the the Continental will all work in per- differently because he is different. and gentlemen, these are facts, and large cities, thereby depriving them There is a strong belief, indeed, that clover hay with corn fodder or wealth from manufacturing comes ness and independence, and make will be practically branches of one excellent mixture, that clover and ing price, is far in excess of supply? not to the masses but to the classes? them the tool of the ward politician, immense combination, each looking corn will do better together than We raise 35,000,000 bushels of corn Although North Carolinu has had and the servants of concentrated after its own peculiar field. The separately, and that corn fodder annually, worth, at a low price, \$16,- but little experience in manufactur- wealth. 500,000; and we must continue to ing the above statement is strikingly We cannot afford to sacrifice every- largely interested in the American, fed interchangeably with clover hay. raise this necessary product, because illustrated in an adjoining county. thing for the accumulation of wealth. are also interested in the Interna- In other words, that you get not when the Western crop is a failure, Within the last 13 years in Durham Let us then, in the name of human- tional is thought to give color to this only the value of each, but you get this quantity of corn is worth at county, five country townships lost ity, continue to develop our agricul- theory. least \$25,000,000. Although we raise \$124,000. Durham township gained ture, thus preserving the freedom of only 4,750,000, bushels wheat, worth in the same time \$5,680,000. Of this our institutions, the purity of our \$1,000,000, it is to our advantage to amount \$1,950,000 went to five fac- politics, the bravery and patriotism continue its production. Our oat tory owners of Durham. Ten or of our men and the purity and lovecrop amounts to 7,650,000 bushels, fifteen others gained about \$300,000, liness of our women. leaving a gain in 13 years of only Even if we had to give up these \$430,000 for the remaing 16,000 in. The free homes bill has passed the four crops which are produced in the habitants, or an average of a frac- Senate. It makes the following which are worth \$46,700,000, we have Admiting that manufacturing homestead entry; Cherokee outlet, others. Take hay, sweet potatoes brings wealth to a State, but with it 5,364,770 acres; Pawnee reservation, and Irish potatoes worth \$5,800,000; brings those permicious influences 169,320 acres; Sac and Fox reservacattle worth \$1,800,000; hogs valued which corrupt our politics, degrade tion, 364,536 acres; Iowa reservation, at \$4,500,000; apples and peaches at our morals and destroy our man- 207,628 acres; Pottawatomic reservaa low price bring \$6,000,000; and to- hood. Just in proportion as the tion, 256,896 acres; Cheyene and farmers of North Carolina are forced Arapahoe reservation, 3,500,562 Our tobacco is first in quality and into factories, just to that extent are acres; Kickapoo reservation, 85,000 second only in quantity to that of the free and independent citizens of acres. any other State in the Union. We our State made political slaves. They have a world-wide reputation for this fight the battle for their employer as product. In civilized nations, in completely as the vassal did for his harbarous nations, wherever men feudal lord. These are the sins Correspondence of The Progressive Farmer. smoke, there the fragrance from this which in the end bring forth the plant grown in North Carolina rises death of nations. Let us not poison ing to the conclusion that a rotation from pipes filled with "Blackwell's our body politic with the lust for of crops is necessary for good farmgain, nor fever it with excitement of ing, and even here in the West when the finest in the world. They have The conditions which exist in fac- Eastern farmers advocated it, the been sold in Northern cities for 45 tories and mills are not conductive most successful farmers are now cents per single quart. Of course to the proper development of young adopting it. Wheat, of course, is ago that roast beef and brown potathis was an exceptional case, but is men and young women. Children one of the crops in the rotation in toes are a very good mix for a subincluding wohlen. Conductive of what can be done. are required to rise before 6 o'clock many sections, and corn another. We might state as well to master that word nutritive two million tube-rose bulbs each From one farm of 30 acres in 1896 every morning and work until dark. while clover is a foregone conclusion. facts like this much more fully, but ratio and get down to scientific prin- season. He has also engaged largely st1,000 was received. Gardening Men and women who have to be sub. It makes it bad, of course, if in the the above will convince you that you ciples. It is not after all any bigger in the production of caladiums, canunder glass and in heated green jected to such long hours of con- rotation the wheat or corn crop like your food mixed. homoes is the coming opportunity for tinued toil from childhood amid proves bad. Then we have to double Observation has taught you long telephone, or any other of the new the product of 25 acres. Rare varieour truckers. One firm at New sweltering and stifling atmosphere of up with one or the other, and usually ago that oats are good for pigs, and words that science is continually ties of cannas and dahlias are being Borne last winter made on one acre mill and factory (for a poor exist. we feel that we have not made as so is corn, but if you have kept your forcing upon us.-Wallace's Farmer. developed. For the coming season of lettuce during the month of March ence), cannot be expected to develop much from the rotation as we should. eyes open and noticed closely, you \$3,000. Another grower had 31/2 the ambition and force of character Yet there is a likelihood of a failure have observed that pigs make better acres under glass and realized from necessary to inspire and elevate their of either of these crops if the rota- gains on oats and corn mixed, than his frames during the winter and domestic and social relations. The tion is followed carefully. The wheat they do on either separate. On the spring \$6,800. In a single season effect of these conditions upon wo- and corn failures are more empha- same line we might give you a few The advertisements of the round bedded in a beautiful plot on the from the farm of Messrs. Hackburn men and girls is always more than sized on those farms where little or similar facts from the stock yard. bale cotton trust, printed as news college park, which has been named Willett have been sold produce upon men and boys. The forcing of no attention is given to a systematic With potatoes at ten cents per matter, are again making their ap- for him on account of his generous worth \$75,000. Our early vegetable girls into the factory tends to destroy rotation. When you omit grass or bushel, the digestible nutrients or pearance in many newspapers. The donation. crop of the East and the late crop of the very principles of character out clover and the land gets run down, food will cost you ninety cents per Progressive Farmer exposed this In addition to the bulb-growing, the West were, four years ago, sell- of which noble womanhood is made. the wheat or corn is pretty sure to hundred pounds. With corn at scheme last year. ing for \$4,000,000. Now they bring Just in proportion as woman is trans- make a poor stand in seasons that thirty-five cents, the digestible ferred from the home to the work- are not very favorable. The result nutrients will cost you seventy eight There is undoubtedly, after a little wild. It is dried, packed in 500shop, is her inspiring and refining in- is that the man who keeps his soil in cents per hundred pounds. With experience is acquired, a good big pound bales like cotton and is used finences in the domestic circle de- fine condition through a good system middlings at \$14 per ton, the digesti- profit in the growing of ginseng. It stroyed, thereby lowering the char- of rotation of crops is usually the one ble nutrients, or that part which the is estimated by government experts Newberry was the first man to introacter of the children, the family, who has the best crops in off years. animal actually utilizes, will cost you that China will take from American dace this industry into North Caroand ultimately that of the whole I have found as a rule that the off ninety-seven cents per hundred growers at least \$20,000,000 worth into the conditions of some of our With these facts before us, gentle- disastrous or the most profitable. cents per hundred pounds, the digesti- is nearly extinct the supply must leading manufacturing States, we are men of the committee, North Caro- When there is a good crop every- ble nutrients will cost you \$1.12 per come largely from the cultivated brought to realize the necessity of lina cannot afford to give up her body has plenty to sell and prices in- hundred pounds.

only 5,000 square miles, less than become the great apple-growing sec- neighbors has a poor showing he is corn in the ratio of three or four one-tenth of our State. Her popula- tion of the United States. In the going to make a good thing out of it. pounds of milk to one of corn, that tion is 746,300; not half that of North East we have unheard-of possibilities His profits per acre will be larger between three hundred and four Carolina. But again we find in Con- in trucking and gardening. This in- than during the season of abundance. hundred pounds of skim milk will necticut an example of a manufac- dustry is yet in its infancy. It can So I have been trying to farm for the equal one hundred pounds of corn turing State. She has within her hardly be said that we have begun off years as well as for the abundant meal. Potatoes fed alone to hogs Energies Toward Manufacturing?-Speech borders 28,518 mortgaged homes, gardening in frames and under cover, years. With proper attention the are worth very little unless they are over four times as many as we have. yet in lettuce alone fortunes have crops can be made fairly good even boiled, but mix them with middlings Joining Connecticut is the little State been made in a single year. Our when the season is against you, but or shorts or oil meal and note the of Rhode Island, which, taking into strawberries are the finest in the it takes care, attention and intelli- high appreciation that the hog has consideration its size, is nowhere to world, and with scientific agriculture gent work. One of the great advan- for that kind of a mixture. His apbe excelled as a manufacturing State. and the proper development, the tages that any farmer can obtain preciation is scientific as well as prac-It has an area of 1,250 square miles whole eastern part of the State can over the common lot is to keep his tical. He believes in mixed feeds. If -just one and one-half times the be turned into one vast truck farm, land in such good tilth and mechani- you offer him a mixture of corn and size of Wake county, and a popula- that would be a source of wealth to cal condition that fair crops are, potatoes, he might probably turn up tion of 345,500-about seven times the State unsurpassed by all its other bound to grow A a good rotation his nose, that is, if he had been fed that of this county. It also contains industries combined.

more than the whole State of North diversify our industries, develop our With best wishes for The Progress. rations, but he distinguishes very Carolina. If each family averages institutions, and mean prosperity ive Farmer. eight persons, we find every sixth and happiness to all the people in Indiana. home mortgaged. If each family in every section of the State. On the ure in Louisiana, if the corn crop is North Carolina averages the same other hand, wealth from manufac- A Richmond, Va., dispatch says: take his potatoes with middlings, or number of persons, we find only turing alone, would mean prosperity The improssion prevails in tobacco he will take corn with middlings. and power to a few, but toil and sub- circles here that the International While he will take middlings and Nine per cent. of the American jection to the many. Manufacturing Tobacco Company, reported soon to skim milk, his internal conscious-

population possess 73% of all the alone would mean stagnation to all be formed, will not be a competitor ness would indicate after a little wealth. This is considering the other industries, and corporate con- of the American Tobacco Company, while that the mix was not quite whole country, but in manufactur. trol of our public institutions. It but that these two corporations and right. The little pig might think more in favor of the classes. Ladies great mass of laboring people into fect harmony.

do they not prove that the added in a large measure of health, happi- that the three great corporations timothy, or straw, or corn, is a most

of crops is as essential for this as ex- like a millionaire. He does not know 7,583 mortgaged homes-nearly 1,000 Wealth from these sources would pensive and continuous fertilizing. anything about science of balanced W. C. | quickly between mixes and mixes. He will take his corn with skim milk or buttermilk, if you please; he will

Experience has taught the farmer

#### No. 16.

## Horticulture. THIN YOUR FRUIT.

In view of the heavy fruit crop in North Carolina and adjoining States, The Progressive Farmer is just at this time more interested in getting farmers to thin their fruit than in almost any other matter. We referred to this last week.

In an address on this subject before the Massachusetts Horticultural Society, Mr. J. H. Hale, the famous peach grower; said : "I wonder how many of you practice the thinning of fruit on your apple trees. Now, apple trees will do a good deal if you do nothing for them. But the man who wants good apples-apples that will pay-in the future will practice thinning his fruit. I should take a young tree which attempted to produce one hundred apples and remove at least fifty of them, leaving not more than fifty to ripen. The next year, if it attempted to produce two hundred, I should leave one hundred or less, and the next, if it had one thousand apples, I should leave three or four hundred only. By this method I should get that tree into the habit of annual bearing. The man who will make fruit growing a profitable business will thin all his fruit. A peach tree that will set a thousand peaches needs to have six or seven hundred thinned off. The commercial side of fruit growing demands thinning of nearly all your fruit. You will get more bushels to the tree within reasonable bounds; the more you, throw away the more pounds or bushels you will have left ; increased size more than make up loss in number."

Oklahoma Indian lands subject to

#### ROTATION OF CROPS NECESSARY

What a Western Farmer Has Learned More and more 1 find farmers com-

fact that Mr. Arents, and others gains in value very rapidly by being

THE PHILOSOPHY OF MIKING FEEDS.

Perhaps instead of talking somuch about balanced rations and nutritive ratios, it might be well to talk a little about mixing feeds. First, a few while fond of bread and fond of butter, like them a good deal better together than separate. You could had to, you could live for a little while ter on the bread. You are fond of could eat it without beans, but long

an additional value as a result of the

mix. But after all, this is only the old

doctrine of balanced rations and nutritive ratios statde in a different way. The skim milk has a nutritive ratio of one to two, and potatoes one to 11.5; that is, one of flesh formers Growing of Tube-Roses Reaches a Great facts: It is a fact that you yourself, to the amount stated of fuel or heat makers. What the growing pig, calf

farm.

#### ----A NOVEL INDUSTRY.

Magnitude.

There is an industry in North or lamb requires is about one to five, Carolina of which very little is or about the ratio of oats or mid- known to the general public. I am live on bread without butter if you dlings; hence, the importance of very sure many will be surprised to mixing. The reason why you like find the magnitude which it has on butter without bread, but you bread and butter mixed is because reached. This is the tube-rose incan live better by spreading the but- butter is almost entirely a pure heat dustry, under the management of maker; the bread, especially brown Mr. H. E. Newberry, of Magnolia, beans and you could eat them with- bread, is largely muscle making. Duplin county, writes a correspondout pork, you are fond of pork and You want them mixed, and when the ent of the Raleigh Post. He was born weather is very cold and the demand in East Hadden, Conn., in 1839, and experience has taught you and your for heat greater, you would not ob- came to North Carolina when he was grandmother that pork and beans to- ject to some side-meat with it. 20 years old. He settled in Duplin gether are better than either pork The doctrine of balanced rations is county. He was a poor boy. By his or beans separate. You are fond founded on nature's laws. You can- diligence and economy he has made of potatoes; you are also fond of not avoid them except at your own an independent fortune. Mr. F. A. beef. You could make a meal on loss. Mixing feeds intelligently is Newberry, the brother of H. E. brown potatoes without roast beef, simply balancing rations, and you Newberry, was the first one to unwe failed to practice it at a time that or you could make a meal on roast will mix with larger intelligence and dertake the tube-rose industry, but beef without brown potatoes, but greater profit if you will take time he gave over the business to his your grandmother taught you long to study nutritive ratios. It is all brother, who has brought it to its or harder word than telegraphy or nas and dahlias, and last year he sold The condition of the road is the he has ten acres of these two bulbs. price tag that tells the value of the Mr. Newberry has recently sent to Trinity College a large collection of choice flowers. They have been

> Mr. Newberry does a very large business in the vanilla leaf. It grows in flavoring smoking tobacco. Mr. lina. He ships now many carloads each year. The first huckleberries ever shipped out of the State were shipped by Mr. garden. The dried roots bring in Newberry. Over three thousand bushels are now shipped by him each year. He also conducts a large truck farm and manufactures on an extensive scale strawberry crates and cups. He also conducts a wholesale and retail mercantile establishment. The facts in connection with these industries were given the writer by Rev. J. W. Wallace, Magnolia, N. C.

On the other hand, when we look community. confinuing as a farming people.

year crops are very often the most pounds, and with skim milk at ten every year, and as the wild ginseng

agriculture or devote her entire time variably run down below the margin This makes potatoes with corn at the New York market \$7 per pound. The area of North Carolina is 52,- to manufacturing. Our successful of a decent profit. Nobody exactly thirty-five cents worth for feeding A valuable book on the subject giv-2.0 square miles, and that of Massa- competition in the production of cot- does well, although you hear a good purposes between eight cents and ing full particulars of the culture clusetts only 8,315. The rented ton, corn, wheat, oats, tobacco, not deal of the amount that is going to nine cents per bushel as compared and marketing of the roots is issued houses of our State number 168,436, only secures our independence, but the farmers. But it is not always with corn, and it makes one hundred by the American Ginseng Gardens and Massachusetts, less than one- by the statistics of paupers and the full amount of returns for a crop pounds of corn worth about nine (incorporated) Rose Hill, N. Y., socia the size of North Carolina has mortgaged homes in such States as that counts, as it is the amount re- times as much as one hundred pounds which will be sent any of our read-1.1.6, nearly twice as many as we Massachusetts, Rhode Island and ceived per bushel, pound or barrel. of skim milk. Now let us try a little ers upon request. It outlines plans have. Our mortgaged houses num- Connecticut, makes us, as a people, In off years it costs no more to raise mixing. It has been found by the ef investment of from \$5 to \$1,000. her 6,669, while Massachusetts, one rich compared to the leading manu- the crop, while prices are so high experiment stations, in actual feed- The figures given are very attractive, of the leading manufacturing States facturing States. In addition to this that the man who has anything to ing, that six hundred pounds of milk and doubtless will encourage many of the Union, has 66,249, nearly ten the western part of the State has sell is sure to make a good profit. fed alone will make about as much of our readers to start at least a small titles as many. We find Connecticut already made a successful beginning Now if he can produce a moderately gain as one hundred pounds of corn, bed of this money-maker. Send for when mud streaks called roads shall in the same condition. Her area is in stock raising and is destined to good crop when every one of his but that if you mix the milk and the book and mention this paper.

A long pull, a strong pull, and a pull altogether, will hasten the time