

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

12.

ATIONAL FARMERS' ALLI-NCE AND INDUSTRIAL UNION.

dent-Mann Page, Brandon. President-O, Vincent, Indiantary Treasurer-W. P. Bricker, Station, Pa. LECTURERS.

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IABOLINA FARMERS' STATE ALL ANOE. dent-Jno. Graham, Ridgeway, President-W. B. Upchurch, rille, N. C. tary Tressurer-J.T. B. Hoover, 10, N. C. Business Agent-T. B. Parker, 10, N. C. grer-Dr. V. N. Seawell, Villa tant Lecturer - W. B. Brick Mackey Ferry, N. C. ain-W. S. Mercer, Moyock

keeper-Geo. T. Lane, Greensant Door-keeper-Jas. E. Lyon, N. C.

grass, red top and tall meadow oat grass, at the rate of one bushel to the acre, and later in the winter, top dress with farm-yard manure. In the spring, the long litter should be raked off and the land be rolled, and the field will take on a new growth and stand for several years.

next year should have attention at this time so that proper preparation may be made for them. The subject of the rotation of crops is one to which much too little attention has been given. in the South, and the neglect of a proper rotation is one of the great causes of so much impoverished land With the observance of a proper rota tion, land should gradually become more fertile instead of becoming impoverished. One crop takes mainly \$0.50 cents a bush I. Good butter sells one element of food from the land whilst another takes another, and a third actually feeds the land with at least one most important element, and draws from the depths of the soil other elements of food and leaves them near the surface for the support of the next crop. A wise rule is, never to grow two grain crops succeeding each other, and to let a deep rooting crop always be followed by a surface feeding crop. As far as possible, always provide that a leguminous crop, such as peas or clover, shall intervene between two grain crops, and let a grass crop always

follow a deep rooting crop, and be only seeded when the land is in a good state

RALEIGH, N. C., NOVEMBER 9, 1897.

CONDITION OF GERMAN AGRICULTURE.

Dr. Ernest T. Bynum, the newly elected Professor of History and Economics, in the University, has written for the Chatham Citizen a very inter esting article relating to the condition The question of the crops to be grown of German agriculture. Dr. Bynum SBYS:

> In comparing the price of land in Germany with that in America it is necessary to bear in mind that the farmers there are heavily protected by the government and received in conse quence a much higher price for their produce.

As near as I have been able to com pute, the price of wheat there was \$1 20, of rye \$1 00, of barley \$0 75 and of oats for 35 cts., beef at 20 cents and pork is a little higher than beef. Peas bring about \$2 00 a bushel and potatoes about \$15 00 a ton. Now these are cash prices and every producer finds a ready market in every town. The public highways are in superb condition and the cost of transportation is very small It is even doubtful whether land could bring such prices without the ex tremely low rate of interest prevailing Citizan. What the Alliance has done all over Europe and the sugar beet cul ture. I regret my inability to compare of sugar beets.

In the Province of Saxony and the Mr. Spence writes as follows:

SOME REMARKS ABOUT THE plank that I set up around the hill, and then bank them with dirt just enough to keep them from being too cold. use great care in putting them up thoroughly dry and free from any cut

ones. I leave air holes all along in the top of the hill. I never shut them up only in the coldest weather. I pay strict attention to them all the time. If I think they are too cold, I put on more dirt If I think they are too warm, I take off some of it. I never house them until frost has killed the vines The great secret is to put them up dry and keep them dry and keep them at the right temperature not to get too cold or too hot.

W. H. KORNEGAY. P. S.-This plan has stood a test of twenty four years. We have never been without them since the fall of 1873 (twenty-four years this fall). We have enough old ones on hand now to last us three or four weeks longer. W. H. K

WHAT HAS THE ALLIANCE DONE FOR THE FARMER?

Mr. J E. Spence, a vigorous and entertaining writer, discusses the above way in the last issue of the Chatham all other counties. Consequently the in all parts of the State.

OUR GREAT COTTON CROP.

Under the above heading the Scien tific American of October 30th has an article which, to all cotion growers, will prove interesting.

The article is rather long, but unlike many long articles, it is interesting throughout, and we are glad to reproduce it for the benefit of the readers of THE PROGRESSIVE FARMER. The Scientific American, we must remember, is published in New York, and unlike us, speaks of it as a somewhat foreign subject:

While the few unlucky miners who have reached the Klondike are digging for the gold in the frezen ground of their Arctic home, and stories of the wonderful richness of the mines are published to agitate a world of readers, a different kind of a gold mine is being worked in another fairer and warmer part of our country, where the sun shines eternally and the conditions of life are all that one could desire for comfort and pleasure. The great cot ton crop of the Southern States is worth several Kondikes; it yields profits to hundreds of thousands of question in a logical and entertaining toilers, and enriches our country by many millions of dollars. Our exports of cotton alone amount to more than for Chatham it has done for farmers of the output of all the gold miners of the world. We get on the average with any degree of accuracy the price article will be read with equal interest more than \$:00,000,000 annually from the cotton we ship abroad after de ducting enough for our own use. The lauded wealth of gold and silver mincs

sinks into insignificance in comparison.

ton begins to come to market, and dur

ing the pleasant autumn months the

white fields of the South are alive with

pickers. Simultaneous with the advent

of the first large shipment of the new

ployment to thousands of men through

out the country awakens into activity.

belt, and an army of buyers appear

Fully five thousand of these buyers are

often in the fields at once, trying to

secure trade for their respective houses.

five cents per bale commission, and a

thousand or more bales for his house,

As most of the cotton received in

great deal of transferring from wharf

ers. The truckmen transfer the bales

The lighters have greatly improved

Early in October the new crop of cot

laborers; but so far the problem of reducing this work to machinery has not yet been solved. The expense of picking is the heaviest item in handling the crop. It costs between fifty and sixty million dollars to harvest the crop annually. A negro picker in the slave days averaged 100 pounds of cotton per day; but this average is nearly doubled by the modern employers, who receive

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from 35 cents to 50 cents per 100 pounds in various States of the South. When picked, the cotton is carted to

the gin house, where it is weighed and piled away. The ginning process is nearly the same as that introduced by old Eli Whitney years ago, and there is no apparent need for any improvement. The fiber passes through a series of circular saws or rollers which tear the seed from the fiber and blow. them out into two separate compartments. Formerly all this cotton seed was practically wasted; but now it adds about \$50,000 000 annually to the resources of the South. To every bale of 500 pounds there are generally about 800 pounds of seed, and a ton of this seed yields about thirty five gallons of oil, valued at forty to fifty cents per gallon. This part of the industry has sprung into existence only in the past ten years; but it is already an enormous business. In 1889 the export of cotten seed oil amounted to 6,250,000 gallons, and in the next year it reached 14,324,-000 gallons. In 1895 over 1,200,000 tons of cotton seed were crushed and about 42,000,000 gallons of oil were obtained. Besides furnishing oil, the cotton seed, after it has been crushed, supplies the cattle with good food in the form of meal and cake, which is claimed to be only a little less nourishing than corn. The cotton belt of the South has been greatly extended since slave days. Then it was considered to be only a narrow belt through Georgia, the Carolinas and Virginia; but it now measures about 600,000 square miles All of it is not by any means cultivated with cotton. Probably not more than 20,000,000 acres are cultivated with cotton in any one year, and some years it has run less than half this number of acres. The average yield of this immense territory is between 6.000.000 and 9,000 000 bales. Texas leads all the other States by nearly one half, with Georgia and Mississippi following in order. With an average crop of 8,000, 000 bales, we lead all other countries by far in cotton growing. India is second, with about 3 000,000 to 4,000,-000 bales, and China and Egypt come next in order with less than 2,000,000 bales each. The cotton area in these other countries is being extended, however, and while the South will undoubtecly always control the markets of the world, she will suffer more or less from foreign competition. We produce the best cotton in the world. and in no parts of the globe can our famous Sea Island cotton be duplicated. This variety, Gossypium Barbadense, grows on the islands off the coast of South Carolina and Georgia, and produces a fiber about one inch longer than that of any other variety grown in this or any other country. The Sea Island cotton is as fine and glossy as silk, and the English spinners take nearly all that we can raise of this superior grade. There have been many agencies at work to improve the cotton crop as well as to utilize the by products; but so far the only real advance has been made through the slow process of superior cultivation and the improvement of plants by careful selection. Recently the newspapers gave currency to a story of a marvelous cotton plant introduced from Africa which promised to revolutionize the cotton industry of the world in a year or two. This new cotton plant was described as towering to the height of twenty feet, and producing a great mass of downy balls that would increase the acreage enormously. But R J. Redding, Director of the Georgia Experiment Station, discounts the claims of the new variety, and adds: "The claim that the variety of cotton belongs to a

ant-at-Arms-A. D. K. Wallace N. C.

e Business Agency Fund-W. am, Machpelah, N. C. VE COMMITTEE OF THE NORTH INA FARMERS' STATE ALLIANCE. Denmark, Chairman, Raleigh

Graham, Ridgeway, N. C. Fieming, Ridgeway, N. C. Hileman, Concord, N. C. B Alexander, Charlotte, N. C. as J Oldham, Teer, N. C. LIANCE JUDIOLARY COMMITTEE E Person, Pikeville, N. C. Barues, Raleigh, N. C. W. Hillsboro, N. C.

RICULTURE.

FOR THE MONTH OF NO VEMBER, 1897.

luring wet weather in securing me comfortable.

and house the stock at nights he weather has caused them to he summer and fall.

good roads and paths between le and farm buildings, and let yard be so drained as that it ter. A good raised pathway e made nest all the buildinge, t will not be necessary to walk mud from one building to an-

provision for saving and stor

in the bulletin, but the bulletin was out rup and place under cover all farmers of Chatham county, if they bales from her hold and transfer them fertilizers bought would yield a much just before I received it, and it would l'implements not in actual use. are in a position to take advantage of to their decks without much trouble. greater return, as only when supple be too late for the next one. There e dirt cleaned from them, and it? Can any honest man then say the The crew of these lighters receive mented by humus in the soil can they fore ask you to publish this letter for le bright parts. In the winter, do their best work. - Southern Planter. Alliance has done the farmers no good. rather less pay than the regular long the benefit of the patato growers in the tesary repairs can be made -----Remember I have mentioned only a shoremen, but their labor is less oner SEED CORN. State. J. M. MEWBOORNE, e weather is not fit for outdoor few articles on which we kave been ous and wearying. The derricks do Commissioner of Agriculture. id a coat of paint can be given. most of the lifting, while the men Dr. E. L Sturtevant, says: "The saved hard earned dollars by our Busiervance of this system would MAGNOLIA, N. C., Oct. 27, 1897. ness Agency. Dozens more could have merely guide the swinging bales as different genus cannot for a moment true principle or rule at the foundation they shoot up in the air and land on be allowed. It is not even of a new farmers of the country many of successful corn culture is to select Mr. J. M. Mewboorne, Commissioner of been cited. new species, but simply a variety of is of dollars every year. Agriculture: seed of a variety adapted to our uses, "But there is one more thing to the deck of the lighter. Gesspyium herbaceum, and very probthe land to be plowed is cov market and climate, which has prolific DEAR SIR:-Your letter of Oct. 21st which I desire to call attention. You Each compressed bale of cotton ably of local (domestic) origin." a vegetation an application of received. You did not answer my weighs about 500 pounds, and uncomhave read of the new cotton press trust Nevertheless, the cotton plant has parentage through the largest series of been greatly improved in the last half to 100 bushels of lime to the pressed nearly a third less. Sea Island generations possible. In order for this question in regard to having and keep now in course of organization. What century through cultivation and selecwe must plant our seed fields by them. ing sweet potatoes, but stated that will be the result of it no one knows. be found to be of great service cotton is generally received here untion. Fifty years ago the old "peeler" it for cropping next year. It there were many ways of having and But we do know it intends to rob the compressed, for there is a prevailing selves, away from other corn. We variety of cotton was used entirely by rove the texture and make must then, at the period preceding the keeping them in North Carolina, and cotton formers of the South of millions notion abroad that it is injured by the the Southern planters. This was a long jointed, straggling variety, with the plant food in the soil. bloom, go through our fields with the wanted to know my plan. I will thereof dollars. That's what it's here for. process. Nevertheless, greater care is comparatively few bolls to the stalk. exercised in handling the Sea Island ould always be applied in the knife, and ruthlessly cut away every fore answer your question as best I If the cotton farmers were organized The comparison between it and a specithan the ordinary varieties. There has unter. If applied along with feeble stalk, every overgrown stalk, can. I have a large shelter covered they could stamp the very life out of men of the present "peerless" variety ulizars, it has the effect of setevery stalk which departs from the with shingles secure from any leak. I it in its infancy, as they did the Jute been considerable discussion in late is vivid. The latter is short, compact type of growth that we desire, and years about improving our methods of the nitrogen and thus impairput all that I make under that shelter. in form, and loaded down with bolls. Bagging trust. But divided and scatabove all, every stalk which does not The first step in improving the upland tered as we now are, what can we do? baling Before the bales reach their Value. I put all of my large ones at one end show indications of bearing several short staple cotton through careful final destination there is a large perof the pile and the small ones that I We shall be as straws in a whirlwind Badows and pastures may be strong ears. In this way only, can weselection and cultivation was followed before this vast aggregation of capitol. centage of loss to be deducted through insure the fertilization of our seed corn | expect to bed at the other end of the "enovated by an application of by an improvement in the length and Our only hope for deliverance is by pollen from productive plants, and pile. I then put on plenty of pine straw; insufficient covering of the cotton, and fineness of staple. This was accomp-Ead broadcast at the rate of in this way only can we intelligently long leaf pine straw I think is the best. lished by hybridizing it with the long through the Alliance, and that will be this has prejudiced foreign dealers he hundred bushels to the acre keep the heredity of the plant in the staple or Sea Island cotton. The result When I think there is a plenty of be a vain hope unless we rally round against handling American cotton exame of the year. The lime of these two improvements, carried on direction of the continued prolificacy that we desire," If some person in straw, it is best to put on just about its banner. Brethren, let us close up cept when forced to. through many years of careful work ⁸ followed by harrowing the heavy harrow, which will every county would give special atten as much more. Then I saw plank just the ranks. If you have let your Alliand study, is that the modern "W. A. Cotton picking is done almost en-Cook" variety shows such an improvetion to improving corn by careful selec long enough to reach from the bottom ance die, revive it at once. If you have tirely by hand. Large sums of money tough old sod and open the ment over the old "Dixon," popular tion of seed and proper cultivation, he quit attending its meetings, come back. part of the hill to the top of it and set have been invested in cotton picking the action of the air and the forty years ago, that one would hardly would soon find it a profitable business. We need you, and you need us. Talk with a brisk demand from his brother them up all around the hill. I then machines, and several have been put recognize them as belonging to the te off the trash thus harrowed this matter over with your neighbors. put another coat of straw on top of the Let us have a revival." in the fields to do the work of negro same class of plants. then sow a mixture of orchard | farmers for supplies of seed.

of fertility. Now is the time of year when steps can be taken to establish a system of rotation under which the land can be improved. What is the best rotation to follow is a question de pending largely upon local conditions, and must be decided each for himself, subject only to the general principles above laid down.

Prof. Roberts has made a calculation from experiments made by him, that the farmers of New York State lose \$50,000,000 annually by neglect of their manure heaps and of the means at higher than in North Carolina. A hand for making farm yard manure; farm laborer receives about \$17 00 a and it is well within the mark to say month and about half an acre upon that the farmers of the whole country which to plant potatoes. I will say lose annually from this cause \$500,000,

at the wood shed is filled with of the farm crops this year, which is wood, so that no trouble may the cause of so much rejicing and the European countries. satisfaction. In order to provide a necessary to cook meals and part of the plant food thus lost through the chief farm products with the excauses wholly preventable commercial ception of hay. In regard to grass cul

out, repair and make ready fertilizers have to be bought and a large stock all barns, stables and part of the crops have to be sold to pay of value. Besides lucerne and clover, for these The farmers of the Southern | lupine is extensively cultivated and stove. Take sewing machines. They sumed here, there is of necessity a States alone last year bought 1 138 802 fish and improvement made tons of commercial fertilizers. Even be used on red land. I have been told lars. Our Agency put the very best to wharf, and from vessel to vessel. at \$20 per ton, which is less than the by agricultural scientists that this imaverage value of these goods, this proved the quality of land more rapidly you can buy the best machine for nine- this business, there are the truckmen means the immense sum of \$22 776 040. to be provided out of the crops grown very much to see this tried in Chatbecome a puddle hole during in these States. Of this total tonnage ham by way of experiment; because its ing thirty dollars a ton. Our Agency when the distance is only a matter of Georgia took 335,617 tons; North Carolina 185,000 tons, and Virginia 171,704 tons, and even this immense consump tion has been exceeded this year in all those States. In the State of Pennsyl-

and realize the value of farm yard manure, and make and save it more care of commercial fertilizers only were manure was prevented by a careful and saving it easily within the compe

Duchy of Anhalt this is most import ant crop and requires a far greater de gree of intelligence and skill in its culture. The farmers generally own and it has not. But the facts will convince operate the sugar factories as stock companies and those who market their own beets are paid according to the successful in getting its demands into polarisation or the amount of sugar contained in the beets. Suffice it to say, this is considered the most re munerative of all the crops.

Another element to be considered in duce. But under the circumstances The cotton is picked and baled on the accounting for the cost of land is the how could we expect to. So many of farms scattered throughout the cotton price of farm labor. This is in general our members were faint-hearted and just here that the Irish potato is the thing. We have certainly succeeded The advance couriers receive twenty-000, a sum equal to the increased value chief food supply of the poorer classes in Germany, and, indeed, in most of lators were making upon us. Take the good buyer will sometimes secure ten

> I have in the above list enumerated Our Business Agency put the price making for himself the bandsome ture I can give very little information meet our price. Here was and is a New York is in transit for Europe or especially prized as a green manure to than any other grass. I should like teen to twenty five dollars. Take and the owners and crew of the light success in Germany and Poland has been so phenomenal.

ERNEST T. BYNUM. P. S.-I might have remarked that the price we have forced the manufac-

Correspondence of the Progressive Farmer.

"Has the Alliance accomplished anything for the farmers? We very often hear it said by thoughtless people that any candid mind to the contrary.

"It is true the Alliance has not been law. But that has been due to failure of so many of its members to stand as crop, a great industry that gives ema unit for them. We have not suc ceeded in raising the price of farm progave up the fight before the real battle | there to solicit trade for their houses. W89 00.

"But under the most adverse circumstarices we have accomplished some in reducing the margin of profits spec price of cook stoves as an evidence. down to ten dollars. In only a short salary of \$2 500 for a few months' labor. time the merchants were compelled to saving of five to six dollars on every. New England, and very little is consold for from forty five to sixty dol quality to about twenty dollars. Now Besides the longshoremen employed in guano as an instance. We were payoffered a better article for \$22. Now a few blocks, and they charge about we can buy any standard brand for fifteen cents a bale. The lightermen that. And while we have decreased | charge about the same.

in recent years, and they have laborturers to increase the value of the the barley crop exceeds that of all the vania, where the Dutch farmers know saving machinery for facilitating work. cereals. One can conceive of its imgoods. "Now I notice our new Business Tney are mostly owned by the big cotportance from the fact that the Ger manure from the stock. Let ton carrying companies; but some are Agent proposes to make arrangements mans consume more than 500 million a selected for the manure heap fully than in most States, 150,000 tons the sole possessions of their captains or for us to buy chemicals and mix our gallons of beer annually. from the buildings, and where small lighter companies who operate own guano at a cost of about \$15 or r will fall upon it except the two or three. The ordinary lighter sold. If the immense loss of farm yard **KEEPING SWEET POTATOES.** less a ton, and at the same time get a rainfall; and have the site carries from 1,000 to 1,500 bales at a better article than we have been paydished towards the centre, so ing \$22 for. Now here will be a saving time. The lighters can draw up along husbanding of all the means of making I think the following plan a good seepage shall run to that point side of a Southern steamer, and, by of about one dollar on each sack we one, and would have printed this letter away from the heap. buy. How much will that save to the means of machinery, take the heavy tence of every farmer, the commercial