PROGRESSIVE

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

Vol. 10.

THE NATIONAL FARMERS' ALLI-ANCE AND INDUSTRIAL UNION.

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YANKEE INGENUITY. Correspondence of the Progressive Farmer.

WASHINGTON, D. C. "The world do move," and first among those who "do move" with it, will always be found the ingenious Yankee.

The latest product of the Yankee a worthless raw material heretofore. can be used in the place of cocoa celluships of war.

this new material, the Navy Department conducted comparative tests of the Indian Head proving grounds re was found to be greatly superior to the cocoa cellulose. This very gratifying result has awakened a lively interest inches from the orifice. in the matter, and opens up the way for the establishment of a new indus

try in this country. As above stated, coacoa cellulose is used as a packing for the cofferdams of in these tests a very decided superior war ships, and while it is manufactured | ity has been shown over the cocoa celluin this country at Philadelphia, and in lose now used. California, still the raw material is a manufactured article very expensive, Sam" to depend on a foreign country for material with which to protect his | ting before the public this corn celluships from the ravages of the ocean, lose, which will utilize a hitherto use when wounded by these same for eigners

RALEIGH, N. C., JULY 9, 1895.

lose, made in April, elicited the following facts:

A cofferdam was prepared and packed with corn pith to about the is about seven pounds per cubic foot.

pounder Drigg's gun; in one portion a single hole, and in another portion at brain is an invention by which common the same level, five shots grouped in a reported. Wheat nearly all harvested corn pith, which has been considered | circle of about 4 inches radius. A head of water was kept up, varying from Threshing has begun and will be genfour to seven feet on one side of the eral next week; many farmers report lose, as a packing for the cofferdams of shot hole, and after three hours no water had come through on the other With a view of proving the merit of | side of the cofferdam, the thickness of the belt being about three feet. At this time an examination was made, the cocoa and corn pith cellulose, at and it was found that the water had penetrated in the case of the single shot cently, in which tests the corn pith hole to a depth of eleven inches only from the orifice, and in the case of the group of five holes to a depth of twelve

The se results appeared so remarkable that the Navy Department determined to make further tests, as cocoa cellulose has not been entirely sati-factory, and

It has been the desire of the inventor | extreme west, where it is now ripe, has foreign product, and its importation, of this American cellulose to offer to been about all cut, and is being hauled coupled with the fact that the convert- the government a material practically in. Threshing has begun with what is ing of this raw material into cellulose inert and free from faults, with a view thought to be a very good yield. Spring is virtually a monopoly, makes the to its general adoption on all vessels; a loats are looking well. Old corn is be and the next day after becoming par- them. native product both in growth and ing laid by. Pea sowing has begun, besides the fact that it compels "Uncle | manufacture, as well as in invention | and there will be a large crop planted | may remain for a few days to slowly He claims, with pride that in put less raw material, he is able to offer a fiue. clean, healthy, American product, The Navy Department has recently superior in every way to any known material, and grown on American soil, (which naturally benefits our farmers) free from acids or other injurious in gredients, and with a low density of one pound four ounces per cubic foot. Secretary Herbert was seen by a (cocoa cellulose being three pounds representative of the Associated Trade | eight ounces.) It is nearly two thirds and Industrial Press, and his opinion lighter than cocoa cellulose, and can be ewe the following year. made absolutely incombustible. The corn pith cellulose will not oxidtests were made, he referred the re ize iron or steel, and has no injurious porter to Conductor Taylor, who was properties to act on or destroy any part Correspondence of the Progressive Farmer. To the dairy farmer especially, a crop This material has been patented, and requested to keep the list standing on pith had proved, under a severe test of from the present outlook it will be adopted as a substitute for cocoa cellu sistance to water than the cocoa cellu lose, in which case our farmers will come to the front in a new line. Manures usually increase the moist ure contents of a soil, by improving the mechanical arrangement of the soil grains, and in this way becomes a corn pith, that the presence of vermin | means to make its own food elements better available to the plant, besides unlocking fertility in the soil itself not for cofferdams, when compared to the before available to the plant because of insufficient moisture to dissolve it. -----WEEKLY WEATHER CROP BUL LETIN cut earlier than this there will be a For the Week Ending Monday, June 29, 1895. CENTRAL OFFICE, Raleigh, N. C. The reports of correspondents of the Weekly Weather Crop Bulletin, issued by the North Carolina State Weather Service, for the week ending Saturday, June 29, 1895, indicate another generally have found out these facts.

with enough rain, however, at most places to keep crops in a thrifty condition. Heavy rains, with hail and high wind, did some damage in parts same density as cocoa cellulose, which of Cumberland, Chatham, Anson and Forsyth counties. A few stations re This cofferdam was fired at with a 6 | port rain needed badly. Corn is silking

and tasseling in the South; old corn is being laid by. Cotton blooms are also in good condition and being housed. good results; others inferior. Oats about ready also. Spring oats are getting ripe. There are a number of com plaints of chinch bugs, especially in northwestern portion of district. Peas are being planted in stubble land. Blackberry crop is very large and fine Peaches ripe. Fruit coming in in or even third in quality. abundance.

Western District - The week has been warm, with frequent showers; some places are becoming very dry, as in Caldwell county and the west, where gardens are beginning to suffer. In general, however, it has been another from all sections reporting crops making good progress. Wheat, except in

is plentiful in markets. Melon vines are poor. Gardens and potatoes are

are decidedly interlopers and should be no longer tolerated than possible to get them out of the soil. Cutting them before going to seed is a step in the in an ordinary garden we prefer to tie right direction, after which the farmer | each vine to a single stake three feet should make them give place to a far high, and keep it pretty well pruned. more profitable crop.

After these kinds of fodder have been grow until blossoms appear on it and secured and placed by themselves in pinch it off just above the blossoms. the barn, then the newly seeded fields All the numerous branches that spring which are largely composed of clover out along the sides are looked after should be ready for harvest. There and kept pinchel off and the whole comes perhaps the most difficult part strength of the vine is reserved for a of haying, especially if there is a large few bunches of fruit. This causes the amount of clover to secure. This is fruit to be larger and to mature better calculated to make the best kind of and in the end about as much in weight hay for milch cows when secured in will be produced as would be if the vine right condition, but if it is allowed to were allowed to run wild. Tomatoes stand too long before cutting, or is stand any amount of fertilizing and badly cured, then it may rate second need a great deal of water if the weather

have the first new seeded crop composed of a mixture of the medium red | the barnyard and gradually work this and alsike clovers and timothy, for my | fertilizer into the soil in the course of locality. Where this is the case these grasses can be readily and nicely cured to water the plants we put not less with little more labor than is required week of fine growing weather, farmers for the timothy alone, and they make the next m raing cultivate the ground the best kind of hay for all kinds of thoroughly. This liberal watering will stock, except perhaps horses.

> With the red clover alone it will be tion makes a mulch of fine soil on the necessary to go through with a more elaborate process, cutting when the tion. Tomatoes respond readily to dew is off, perhaps in the afternoon,

will, and where the crop is of any size is about the best way we know of. For the number of plants that are grown

No. 22.

We allow a branch to start out and is dry, though they will survive the For my own use I much prefer to severest drouth. We cover the surface around the plants with accapings from cultivation. When we have occasion than two gallons to each plant, and do for three or four days as the cultivasurface and prevents rapid evaporagood cure, and it pays to give it to

eigh, N. C. Trustee Business Agency Fund-W. A Graham, Machpelah, N. C.

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imalow Riside	Peanut, N.

Each of the above-named papers are he first page and add others, provided hey are duly elected. Any paper failng to advocate the Ocala platform will e dropped from the list promptly. Our ublished in their interest.

AGRICULTURE.

Plants will starve in any soil, how ever fertile, unless water is present to dissolve the food elements and prepare them for the plants' use.

Southern farmers are now more than ever determined to grow all the hay and forage needed, instead of depend ing on the North for them.

land show that vegetation is suffering considerably for the lack of rains. The hay crop will be unusually light in most sections.

As much care should be taken to keep water away from a well constructed road as is taken to keep it out of the cellars of the houses, or from leaking through the roof.

When on the pasture you can keep the lighter breeds of mutton sheep in licks at large, but it is better for them and any sheep to be kept in as small lots as it is convenient to do. When thousands, run together the Merino would do the best.

It is an absurdity to suppose that a tree can produce a full crop of sound ruit after its horizontal roots have been cut away by deep plowing or ^{spading}, or when large limbs have been cut away from the sides of the trunk by a sudden pruning. Remember that the trade once dropped because of bad packing and poor fruit is hard to regain; if it ever can be. Send your good fruit sorted fruit; you will rue it if you do. If you don't do the packing yourself, watch the man who does. leaves will prevent them from drying up, while the roots against the moist of the root.

had its attention called to this new ma terial, under the name of ."Marsden's American Cellulose, and the tests conducted at Indian Head were made with this home product.

asked in regard to this matter. Having been absent himself when the last a member of the board who made these of a vessel.

tests. Mr. Taylor stated that the corn firing, much more satisfactory as a relose, and that the only question now to scople can now see what papers are be settled by the board, before the adoption of the American cellulcse would be recommended, was the durability of the corn pith material. It had been urged, he said, as an objection to would sooner or later render this home product unsatisfactory as a packing foreign product. This objection, (even admitting that all corn pith was a harbor for vermin) could be overcome by

the fact that the corn pith was subjected Reports from all parts of New Eng- to such pressure as to obviate any dan der to the substance from this source. However, no official report of the result of these tests can be obtained until further experiments as to these points,

(which are now in progres) are concluded. Nevertheless, Mr. Taylor gave it as his opinion that the American corn cellulose was greatly superior and more desirable as a packing than the favorable week. The temperature has cocoa cellulose now in use.

of war ships with cellulose is to prevent of sunshine. Scattered showers occurwater from sweeping through shot red on several days at a large number holes in the ship's side, and to thus of places, but there are points in all overcome any danger of the vessel districts, especially in the northeastern sinking, no matter how fierce the firing part of the State, where rain is now

from the attacking vessels may be.

averaged one or two degrees above The object in packing the cofferdams | normal, with about the average amount needed. Local heavy rains, with some

B ing an indigenous plant, the fibres hail, occurred on the 26th and 27th of cocoa and corn, are so complicated without any serious damage. Cotton machines for facilitating this work, as haul it out early in the winter, and by the county meeting. Mecklenburg much will depend on this. Be ready to commence when the first of the grasses are ready for the harvest. It to water which would come through ing wheat has just begun. Fruit is may even be better to begin a little too early than to be much too late in finish coming in very abundantly. Eastern District - The past week is ing generally reported as having been very In modern barns there should be room enough so that the different kinds of wood, and no separation into pith. favorable in this district. Good showor qualities of hay can be kept separate. wood and bark; but bundles of woody ers occurred, but poorly distributed. by itself, and if you send poor fruit, fibre are irregularly scatterred through Only one place in Co'umbus county This will be found of much advantage don't top out your package with good the cellular tissue, or pith, though they reported an excessive rain-fall, but in when coming to feed and wantare less numerous in the centre than the northern part of the district rain is ing a particular quality of hay for at the circumference of the stems. The beginning to be needed. The temperaa special purpose, as for dry cows, those giving milk, or young animals. ture has been high, with plenty of sun-On most farms there will be some shine. Crops are in a healthy condition and continue to improve. Corn is tas pieces or may be fields of grass that to seling; laying by is general. Tobacco make an average or fair quality of hay is looking well and some beginning to must be harvested quite early. These top. Blooms are reported to have ap are the wild or water grasses, and peared on cotton at Elm City, 26th, those places where the white daisy or Laurel Hill, 27th. Sweet potato plants other kinds of weeds largely predomi are still scarce ; many are still to be set. nate. The native wild grasses are held Large crop of field-peas being planted. in considerable esteem on some farms where they particularly flourish, and with proper management-always cut

A sheep that loses her lamb early in the seas in will almost necessarily be come too fat to make a good breeder. The best that can be done with such is to feed them extra, so as to fatten rap idly and turn them off to the butcher. The loss of lamb, unless it is from acci dent, one season is almost invariably followed by a like lcss from the same

SECURING THE HAY CROP.

of the finest quality of hay, harvested at the right time and secured in the best condition is one of the greatest importance. For the m st prefitable results a variety of grasses, best adapted to any locality, is desirable. It is supposed that proper attention has been

paid to this matter by the farmer. Now concerning the harvesting and preparing for use. Both science and practice have demonstrated the fact that early cut hay is much the best for the production of milk and butter. The point at which the grasses are considered in the most profitable condition for this purpose is conceded to be as nearly as possible when in blocm. If

loss in quantity and an immaturity of crop; while if allowed to stand too long there may be a greater bulk but the quality will have seriously deteriorated. It will then contain far less of the most nutritious and digestible qualities, so much to be desired as a dairy or stock feed. Those farmers who have paid particular attention to the matter

With the average farmer it will hardly be possible to secure all of the hay crop when in its best condition, as there will not be sufficient time for this purpose, but with good manage ment and proper harvesting appliances this work can be so conducted as to be reasonably satisfactory.

First there should be good tools and

tially wilted putting in cocks where it this year. Peach trees are full. Fruit cure and then after a little airing be ready for the barn. The idea should be to cure with as little exposure to the hot sun as possible, and thereby retain the leaves and blossoms-the most di gestable portion-as well as the delicate aroma for which this kind of hav should

be distinguished. After the clover has been secured, then the timothy, red top and other later maturing kinds should receive attention. With such crops of these as the farmer should aim to grow, and harvested at the right time while yet quite green and succulent, considerable work will be required to secure in the best manner. But it will be found more profitable to do a little extra work here if necessary, thus securing the best quality of hay, than to allow the crop to stand until ripe when it will require very little drying and be far less as a fare in every household, rich or poor. milk or fl sh producing food. With It is one of the most nourishing, easily the use of the tedder the process of diges ible, delicious, and easily and curing can be greatly facilitated, the quickly prepared vegetables grown. hay being secured in less time and in There are scores of recipes for cooking better condition. As to how much this most del'cate exculent. While hay should be dried will depend on cabbages require four and one-half conditions. It should be dry enough hours for digestion, cauliflower can be so as to come out of the mow bright, digested in the course of two hours, free from smoke or rust. Hay for and may be enjoyed with benefit by hors s may be allowed to become a lit persons to whom cabbage would be tle more mature than should be the ruinous o ving to weak digestive organs. case for cows, and in this way with proper foresight and management the entire crop on a well ordered farm can be secured when in its best condition

for all kinds of stock, as with the pres ent appliances for harvesting and the improved condition of our fields, the hay crop should be secured in one half the time required or occupied a genera-E E TOWLE. tion or two ago. Franklin Co., Vt.

HORTICULTURE

HORTICULTURAL HINTS.

Some species of fungi have neither roots, stem, leaves, flowers nor seed and derive their nourishment through pores.

In cultivating your apple trees you may raise corn in it for a very few years, providing you don't plant it too in this county. Derita Alliance, in near the trees, and will cut it up and this county will be reorganized before no means make a shock around a tree. Whether you plant yearlings or fiveyear-olds, they will be about the same size six or seven years after planting, with the chances in favor of the younger trees being the most firmly rooted. But up to that time the older trees will have paid decidedly the best. One thing is certain, as a rule the horticulturist lives a little better than the average of men, as he always has plenty of fruit and vegetables to eat. He uses 400 to 500 loads of manure annually, and his grounds show it. His soil is an excellent one naturally.

IMPROVING CURRANTS.

Every one is familiar with the common neglect of currant bushes, often growing in grass under fences, and frequently treated with entire neglect. Old, overgrown bushes, which have grown into a mass of bush, should be thinned and old stunted wood pruned out, and enriching and mellow cultivation given. Or, often still better, the whole bush may be taken up, divided and replanted. The great point, says a writer, is to give rich, mellow and continued cultivation

-----CAULIFLOWER.

The caulflywer ought to be much more generally grown by every farmer and every owner of even a small kitchen garden than at preset t, says a writer, and it ought to constitute a much more frequent part of the bill of-

-----FROM MECKLENBURG.

Correspondence of the Progressive Farmer.

CHARLOTTE, N. C, June 24. I wish to say for the encouragement of the Alliance brethren throughout the State, that my Alliance district is on a bigger boom, alliancely speaking, than it has been since it left the Demo cratic party and went into politics. You know the bosses said that was what hurt it. I organized a new Alliin Charlotte in March, that now numbers forty good men, and reorganized Polk Alliance, three miles from the city. They number about twenty-five. They were dormant for two years. On the 15th instant I organized a new Alliance in Concord with a good working membership. On the 22nd, last Saturday, I reorganized Davidson Alliance, county meeting has been postponed till the 25th of July, for two reasons: First: the farmers will be well up with their farm work by that time, and will be able to turn out. In the second place, the Hon. A. C. Shuford, Vice President of the State Alliance, has promised to be with us at that time. To close, Mr. Editor, I will say if you hear any of the old ring tailed bosses talking about the Alliance being dead, just say to them that they had better keep their off eye on the old corps.

and so thickly woven that they exclude is blooming in the southern portion a fluid; and it is this quality which of the State. Corn is doing very well, makes them so valuable as a resistance | and is being laid by generally. Threshthe ship's side when pierced by a shot.

In the stems of an indigenous plant a cross section shows no distinct ring corn stalk is an illustration of an an

Weeds should not be hoed during nual indigenous plant stem, which wet weather. The moisture on their while young has an epidermis, but no separate bark. Each one of its fibrous bundles contain all the elements of the and loosened earth will get a root hold exogenous stem. It is this peculiar and send out new fibres. A weed once quality of its fibrous bundles, and the or twice transplanted is almost as diffi- fact that they are more numerous at cult to kill as a perennial. The only the circumferences of the stems that Way to kill such a weed is to cover it will make our corn pith so valuable as while wet with moist soil. Then the a cellulose. Cellulose as made from Berry crop ripe and very large. Melons sap in the weed will cause it to rot, and corn stalks, in the loose state is very are late. this will effectively check new growth light, and susceptible to high pressure.

A test of the merit of corn pith cellu- week has been irregularly distributed, able value as stock hay. The others be allowed to grow as rankly as they into the orchards.

-----TRAINING TOMATOES.

On this subject the Farm News says: There are several plans that are good. One is to drive four stakes around the ash a visit. These beautiful ornamentplant about two feet apart and fasten al trees are favorite hiding places for crossties to them, making a square sup port and training the vines to grow up planted by roadsides, and receive little over these and droop down the outside. | care, hundreds of borers may be bred Central District. - The rain fall this ting at an early stage-possess consid This does very well if the vines are to in them and afterwards make their way

J. P. EOSSAMAN, Organizer 11th District.

Orchard growers in taking their annual look through the trees of their orchards for the apple tree borers should not forget to pay the mountain the borers. As these trees are often