VOL. XLI.

THE NORTH CAROLINA STAR BY THOMAS J. LEMAY & SON. nearly opposite the Post Office.)

especially on very poor land.

rould be out of place in this outline view of

state the fact, however, as ascertained by ma-

outweighed the dry straw.

Having secured the growth of a bright,

hard, glossy stem, the next thing is to develop a long, well-filled ear. To this end, available

orming the combusuble part of the seed .-

0.32

2.04

32.24

The other ingredients named are required to assist in making the incombustible part of the

are the following substances, viz:

Phosphoric acid,

Peroxide of iron

Chloride of Sodium

Salohurie acid,

Magnesia,

Potash,

Terms of the Paper. annum, when paid in advance \$3 6 at is delayed three months. Terms of Advertising.
One square, (16 lines,) first insertion, \$1 00
" " each subsequent insertion, 25
Court orders and judicial advertisements, 25 pe

All letters and communications must be ces may be made at our risk

AGRICULTURAL.

PATENT OFFICE REPORT.

THE CULTURE OF WHEAT. THE CULTURE OF WHEAT. washing, through the There is no crop, the skilful and successful ter. This remark is inte

ultivation of which on the same soil, from purisedurly to those large generation to generation, requires more art than edition and tobacco cultures demanded to produce good wheat. To up no considerable amount of the constant site of the constant s grow this grain on fresh land, adapted to the peculiar habits and wants of the plants, is on casy task. But such fields, except in rare instances, fail sooner or later to produce sound and healthy plants, which are little hable to stacks of the malady called "rust," or which give lengthened ears or "head," well filled with a small expense.

Corn plants, well managed, will extract with clarate and barley, at a small expense.

with plump seeds.

Ilaying long resided in the best wheats the soil than any other. As not an ounce of the rowing district in the Union, the writer has mineral is needed in the animal economy evoted years of study and observation to all man or beasts, it can all be composted in co ences of soil, climate, and constitution- stalks, blades and cobs, or in the dung and al peculiarities, which affect this bread-bearing rine derived from corn, and be finally reorgasplant. It is far more liable to smut, rust, and ized or deposited in the stems of shrink in some soils than in others. This is plants. rune in western New York, and in every other Corn culture and wheat culture, if skilfull section where wheat has long been cultivated, and scientifically conducted, go admirably to As the alkalies and other fertilizing elements gether. Of the two, more bread, more meat, become exhausted in the virgin soils of America, its crops of wheat not only become smaller than from the wheat plant in this country. on an average, but the plants fail in con- But so soon as what is called "high farming" sects. Defects in soils, and improper nutrition. demonstrate how little we appreciate the supedefective in the following particulars:

kind of earth. dissolved flint an aere of good wheat demands my smally sea, that a cubic foot of good wheat yard manure given to a part of them. As the to prevent its having coacse, sof, and spungy ash of wheat, from as many samples of that as much as the straw, in a number of the grain grown mostly on different soils and under different circumstances.

In this report are given the quantity of wheat

per agre, the weight of straw cut close to the ground on each acre, and also that of the ch. ff. These researches show that from ninety-hree to one hundred and fifty pounds of soluble amnonia or attogen, phrosphorus, potash, flint are required to form an arre of wheat; and magnessa, are indispensable. Amnonia and I will add, from my own investigations, (spirits of hartshorn) is necessary to aid in and I will add, from my own investigations, that three-fourths of this silica is demanded by nature during the last sixty days preceding the

maturity of the crop,

This is the period in which the stem acquires its solidity and strength, and most of its of this varies from 3 to 15 per cent, of the weight of the straw. Professor Johnston and Sir Humphrey Davy give instances in which more than 15 per cent, of ash was found; and Professor Way gives cases were less than 3 per cent, was obtained. The mean of 40 sam-ples was 44 per cent, Dr. Sprengel gives 34 as the mean of his analyses. M. Boussingault found an average of 7 per cent. As flint is truly the boas of all the grass family, impart-

RALEIGH, WEDNESDAY MORNING, JULY 31, 1850.

than four in six. If the field in the mean time Relation of grain, straw, and Chaff. he devoted to wool-growing, butter or che-

	making, or to stock-raising, particular care	Grain, Actual quantities:	Per con
	must be taken to make great crops of grass, or	Straw, 1732	47.1
	clover to grow on the land, and have all the manure, both solid and liquid, derived from	Chaff, 250	6.1
į	these, applied to its surface.	1 7 7 7	_
	There are many counties in England that	3617	
	yield an average of thirty-two bushels of wheat	Specific gravity of grain.	1.31
	per scre for ten or twenty crops in succes-	And a second second second second	Ibs.
	sion. There are but few of the old counties	trieght or geath per acre,	2604
	in the United States which average the half	to engine on any other part making	2775
	of that quantity; and yet our climate has	Minoral matter in an areas	401
1	greater rgricultural capabilities than that of	Wheat,	441
1	Great Britain. This fact will be made abun-	Straw,	113

	Great Britain. This fact will be made abun- dantly evident in an article under the head of "Agricultural Meteorology."				113 47 1-5	
	2d. Another way to increase soluble silica in the soil is, to grow such crops in rotation with wheat culture as will best prevent the loss of dissolved flint at any time, by lesseling and	Analysis of the ash of the grain Per centage. Res		Remo	204 7-16 sin: emoved from an acre.	
The latest and the la	washing, through the agency of rain-wa- ter. This remark is intended to apply more particularly to those large districts devoted to cotton and tobacco culture—plants that take up no considerable amount of silica, and which, by the constant stirring of the earth and the clean tillinge which they demand, favor the leaching of the soil. To keep much of a	Phosphroic acid, Sulpuric scid, Lime, Magnesia, Peroxide of iron Potesh.	5.63 43.98 21 1.80 11.69 29 34.51 1.87	2 lbs. 19 0 0 5 0	8 oz. 8 1 4 5 12 8-10 3 2-10 2 5 6-10 13 3-10	
1		12111111	1.01		199-10	

t	Analysisfol stra Per e	Remove			
8	Silica	69.36	111 lbs.	. 1	2
ŧ	Phosphorie acid	5.24	8	6	7
•	Sulphurie acid	4 45	7	7	9
٠	Lime	6.96	11	2	2
٠	Magnesia	1.45	2	5	
t	Peroxide of iron	29	1	2	
-	Potash	11.79	18	14	
	Soda	none.			
-	Chloride of Sedim	m name			

44 lbs. 6 4-10oz

stitutional vigor, and are more liable to diseases in England shall be popular in the United States, from the 160 of minerals in the straw and extended researches, before publishing, that difference between what are left and ... In the matter of rotation of crops in connex chaff, the difference between what are left and those in wheat is not great. As the stems ion with wheat culture, clover and corn are respectful, obedient to his parents; keeping sects. Defects in soils, and improper nativation, demonstrate how little we appreciate the superlead to these disastrous results. Soils are riority of our rismate for the economical feeddefective in the following particulars:

| As the stems for which we appreciate the super| As the stems for with wheat cutture, electer and corn at the stems for the riority of our rismate for the conomical feed| As the stems for with wheat cutture, electer and corn at the stems for 1. They lack soluble silica, or flint with of our "country," In several counties in the soil is consumed before which to produce a har, glossy stem that England it takes from twelve to fourteen the organization of the seed begins, from what which to produce a har, glossy stem that will be little subject to "rust," Soluble flint is not very abundant in cultivated soils; and after they have been tilled some, years, the amount of silica which rain-water, as it the amount of silica which rain-water, as it the stand of the seed begins, from what is made in rutation, acquainted, a crap of wheat is made in rutation, ingredients to form a good crop of wheat. If the organization of the seed begins, from what is mounted is nature to draw her supply of these acquainted, a crap of wheat is made in rutation, ingredients to form a good crop of wheat. If the organization of the seed begins, from what is nature to draw her supply of these acquainted, a crap of wheat is made in rutation, ingredients to form a good crop of wheat. If the organization of the seed begins, from what is nature to draw her supply of these acquainted, a crap of wheat is made in rutation, ingredients to form a good crop of wheat. If the organization of the seed begins, from what is nature to draw her supply of these acquainted, a crap of wheat is made in rutation, ingredients to form a good crop of wheat. If the organization of the seed begins, from what is nature to draw her supply of these acquainted, a crap of wheat is made in rutation, ingredients to form a good crop of wheat. If the organization of the seed begins, from what is nature to draw her supply of these acquainted, a crap of wheat is made in rutation, ingredients to form a good crop of wheat. If the organization of these edequainted, a crap of wheat is made in rutation, ingredients to form a good crop of wheat. If the organization of these edequainted, a crap of wheat is made in rutation, ingredients to form a good crop of wheat. If the organization of these edequainted, a crap of wheat is made in rutation, ingredients to form a good crop of wheat. If the organization of these edequainted, a crap of organization of these every which, fourth, or fitted in the organization of these every which, fourth, or fitted in the organiza Journel, have a direct hearing on this subject.

The researches of Prof. Emmons, of Albany, in his claborate and valuable work on "Aguin his claborate a culture," being a part of the Natural History writer, to my knowledge, has done full justice of New York, shows that 10,000 parts of soil to the vast agricultural resources of the southash of wheat straw contain an average of only 5 parts. The difference is as 9 to 1. In

> like weight of straw. Hence, if the farmer with perhaps the aid of a little stable and barn- ter seeding; some before,

rates, to say nothing of other taxes, rent, and

grain. In 100 parts of the ash of wheat there Over a territory so extensive as the United co States, it is extremely difficult to lay down any rule that will be applicable even to a moiety of the Republic. There are, howver, many beds of mari, green sand, gypsum, limestone, saline, and vegetable deposits, available for the improvement of farming lands toneous resources. The ocean, with its fish,

for their soils what he proposes to secomplish for his. Twenty or fifty dollars, invested in the best agricultural works in the English language, may save him thousands in the end, and

ROTATION OF CROPS IN CONNEXION WITH WHEAT

CULTURE.

A system of tillage and rotation which will pay best in one locality or on one quality of down to the gates of death and woe. soil, and in a particular climate, will be found not at all adapted to other localities, different soils, end la itudes. Hence no rule can be laid down that will meet the peculiar exigencies of a farming country so extensive as the thirty States east of the Rocky Mountains.— There are soils in western New York known to the writer, which have borne good crops of wheatevery other year for more than twenty y cars, and produce better now, than at the biof the earth, in supplying the elements of wheat and corn, are extremely variable. There are friable, shaly rocks, in Livingston county. New York, which crumble and slake when Exposed to the air, that abound in all the earthy minerals necessary to form good wheat. These rocks are hundreds of feet in thickness, and have furnished much of the Son in of the Genesce. The Onondega salt group, by the good, and the own reconstruction of the Genesce. The Onondega salt group, by the good, and the own reconstruction of the Genesce and Son in the good, and the own reconstruction of the fearful in the continuous strategy and son in the continuous stra and other contiguous strata which extend into the number of the carful, unpacity for growing wheat. Indeed the rocks and "drift" of a district give character to its

Nothing is more needed at this time thus a good geological map of the United States, accompanied by an accurate and popular by arranged work on Agricultural Geology.

calcu a ors of jr fit and loss. What elements of crops rain-water at summer heat will dissolve out of ten or twenty sode, lime, ammonia, and magnesia, hasten the
the view, ultimately, of transforming it into pounds of soil, in the course of three months, solution of the several compounds of silica in wheat, it will take seven pounds of straw to putting the seed in the ground, (drilling is present a point in agricultural science which should be made the subject of numerous and rigid exerciple to sowing broadcast,) wheat should be made the subject of numerous and rigid exerciple to sowing broadcast,) wheat should be written as explanation wheat. Few are aware how much labor and soaked 5 or 6 hours—not longer—in strong periments. In this way, the capabilities of of the various ways in which alkalies, exides money is annually lost by the feeding of plan's brine. After this, add a peck of more of reduction to different soils and their adaptation to different soil wheat-growing in the United States. I may tural fertility of the sod to nourish their crops earth. Most good farmers roll the ground af-

In the southern States planters are in the soil in the valley of the Genesics contains twen batter it is created and in small to come to fail, the habit of permitting their wheat to remain too ty times more lime, than a cubic foot of the supply must be drawn from other quarters long in the field after it is credited and in small

specimens of wheat analyzed by Professed Way, when currently converged the dry straw.

Way, when currently converged the dry straw.

Having secured the growth of a bright, hard, glossy steen, the next thing is to develop along, well-filled ear. To this end, available and on the consumption of united strates are so impoverished as manual available and to grow which is much that can be found in the column and constent on the teachings of the growth of a bright, hard, glossy steen, the next thing is to develop along, well-filled ear. To this end, available and manual available and to grow which that can be found in the column and constent on the great town of Windsor, and consider the utmost confusion and constent on the great town of Windsor, and from the great town of Windsor, and the mast time of subject to the tongue of other Stite officers—are voters and constent on the great town of Windsor, and from the great town of Windsor, and the mast time of subject to the court set of the people to the court set of the people to the court are.

You will see under its provisions, and consider the utmost confusion and constent on the great town of Windsor, and from the great town of Windsor, and from the great town of Windsor, and the great town of Windsor, an mount of ammonia available as food for grow- crop is expected to begin to grow. Among which threw the passengers all into a heap, themselves about the act. For your iniquity is much that can be found in the old thirteen in preparing land for wheat. Sheep, clo-colonies between Maine and Alabama, English ver. and peas, corn and hogs, rotate well to enarmors could hardly pay their tithes and poor- sure the economical production of this staple. first baggage car came in contact with it, the Migure is usually applied to the erop preced-

Wheat dried at 230° ontain:	į'n	vacuo	W4#	found	I
Carbon,				46.1	
Oxygen,				43.4	
Hydrogen,				5.8	
Nitrogen,				2,3	
Anh.				2,4	
Total		2.6		100	

YOUTH'S DEPARTMENT.

WHAT WILL THE END BE. When I see a hoy ungry with his par guage, may save him thousands in the end, and disobedient and obstinate—determined to pursue double his profits in two years.

The agricultural journals of the United such his own course—to be his own master—setting at nought the experience of sge, and disregarding their admonitions and reproofs—unless his course of conduct is changed, I could not heard will form a library of great need not inquire "what will his end be!" He not only disobeyshis parents and insults his and is pursuing that path that leads directly

When I notice a little girl quite found dress, and threby her pride is increased; witness gruffly. dissatisfied and unpleasant at times if she can-not obtain her desires, and anxious to be hetter clothed than her means will permit; her thoughts occupied with what she shall wear, and what others will think of her dressask what her end will be. She regards her apparel more than God, and although she may

and no confidence to be placed in what he may say, always ready with a falschood uppon his tongue; unless he alter his course, I need not inquire what his end will be. The have furnished much of the soil in the valley curse of God is upon him. He is despised by the good, and his own friends have no res- your head, it is under your feet, it is on each

their company, making their friendships-The need not Liquire, unless he alter his course,

PURE WATER-THE CHOLERA. The Cholers statis is of London for the year 1810, taken from the Reg stry in the last number of the Edinburgh Review, make it appear that a plentful supply of pure and wholesome water is one of the most effective preventive means from the radges of this terrible contagion. The Resiew states, and indeed it is well konwa to inquiring Americans, that London, compared with Phitad I him and New York, is miserably supplied with water. It appears that that portion of the Thames, is better supplied than that which lies south of the river. The striking fact follows:—The appears that that portion of the Chilars for the proposition of design fact follows:—The appears that that portion of the Chilars for the proposition of design fact follows:—The appears that that portion of the Chilars for the proposition of design fact follows:—The appears that that portion of the Chilars for the proposition of design fact follows:—The appears that that portion of the Chilars for the proposition of design fact follows:—The appears that that portion of the Chilars for the proposition of design fact follows:—The appears that that portion of the Chilars for the proposition of design fact follows:—The appears that the such things without paying! Then they say you are worthless—that is evident and then it fully and entirely recognises the The Cholera statis i wol London for the year of New York, shows that 10,000 parts of soil by the vast agricultural resources of the south series of the south series of the soil which is parts of soluble silics. The difference is as 9 to 1. In the cast agricultural resources of the south series of the soil which is not rich in the claments of the soil which is not rich in the claments of the soil which is not rich in the claments of the soil which is not rich in the claments of the soil which is not rich in the claments of the soil which is not rich in the claments of the soil which is not rich in the claments of the soil which is not rich in the claments of the soil which is not rich in the claments of the soil which is not rich in the claments of the c the river. The striking fact follows:-The 10,000 of population, was, north of the Thames, about 30, and south of it, about 159-showing where there was a more sufficient and pure supply. These are averages, but more striking

The first step towards making farming permanently profitable in all the older States as to accumulate in a cheap and skilful manner the raw material for good harvests in the soil.—

ing wheat.

It may be interesting to some readers to see in this place the mean result of several organic annually profitable in all the older States as to in this place the mean result of several organic annual see in this place the mean result of several organic annually performed that sinks of analyses of wheat made by M. Boussingault, wheat dried at 230° in vacuo was found to positions across the track for some four or five.

Wheat dried at 230° in vacuo was found to positions across the track for some four or five. positions across the track for some four or five m1 s! The fiends who had laid them on war and more obtained the consort of sweet sounds. And were not more dy the consort of sweet sounds. be announced that between the acts he complishing their hellish purpose of a com-

friends, but he discegards the voice of God,

When I see a boy desiring the society of the wicked and depraved, associating with those who will swear, lie, cheat, and steal; seeking which he gives himself;

Chloride of Sodium none.

Total 99.98 160 bs 15-20 ex

Total 15-20 ex

Total 15-20 ex

Total 160 bs 15-20 ex

Total 260 bs 160 bs 15-20 ex

Total 260 bs 160 bs 15-20 ex

Total 260 bs 160 b which to produce a har, glossy stem that will be little subject to "rust," Soluble filint is never very abundant in cultivated soils; and after they have been tilled some years, the pupply is deficient in quantity. It is not very the amount of silice which rain-water, as it falls on the earth, will dissolve out of 1,000 grains of soil in the course of eight or tenders of little water charged with carbonic acid, more than water charged with carbonic acid, more than pure water which has been boiled. The experiments of Prof. Rogers, of the University of Virgina, as published in Silinans of Virgina, as well on the real method of the soil water of produce a har, glossy stem that the consolated accurate, will be store it is nature to draw the cultivated soils; and after they last been tilled some year, the same that the consultation of the seed begins, from what I fall so the the ground. At or near the first of heart real of the source is nature to draw the expense of soilers, and of that boy will be committed to meanory, and repeated eccurately, what the end of that boy will be, Respected by all that water which can be adverted in a surey to fall year of the form of the soll of the to make the what close will be sold of that boy will be affected in quantity. It is not very difficult to learn with considerable accurate, which has been soled. The solution of the solution of

Windsor county, Vt. was a strange composi-tion of folly, and good sonse, of natural shrewd-ness and want of cultivation. The following regard for that worse species of white sia-

QUERY FOR SCIENTIFIC MEN

HAD HIM THERE.

prepared to swear the mare's age?"
"Upon what authority?" said the ostler, in-

"I call upon you,"

the river. The striking fact follows:—The proportion of deaths from Cholera for the 13 weeks ending September 15th, 4849, to every the from the fact that no one has ever asked justice to be done you; all by unanimous consent, —by which an American freeman sunced you guilty before you were tried, come, to all intents and purp Now, you, being so worthless, was a root to steal, because you might know you would be condemned. And you must know that it was a great aggravation that you have stole them in the large town of Wandsor. In that large the large town of Wandsor. In that large town to commit such an act is most horrible.

By the very first epportunity, I send you have a large town to commit such an act is most horrible. stems, which are any thing coarse, sof, and spungy soil in the valley of the Genese contains twented stems, which are any thing coarse, sof, and spungy soil in the valley of the Genese contains twented stems, which are any thing coarse, sof, and spungy soil in the valley of the Genese contains twented stems, which are any thing but a heal hy organization of the plant, in the journal of the poorest soils in South Carolina and Georgia.

Royal Agricultural Society of Eugland, volume 7, there is an extended "report on the analysis of the ashes of plants, by Thomas General Cursum and the control of the labor bestown and the large town of Windsor. In that large to want to commit the labor beauty of the General Cursum and the large town of Windsor. In that large to wont of Windsor. In the large town of Windsor. In the large town of Windsor. In that large to want to commit the case of the labor beauty and the large town of Windsor. In the large to the warp in the field after it is cradited and in small the powners of the labor beauty of the Windsor. In the large town of Windsor. In the large

> INGENIOUS TRICK ing any thing, and kept upon the track; as the first baggage car came in contact with it, the genious mode of "raising the wind." practised by a musician on the creditity of the inhabi-

plete destruction of the train, and of course of witnessed in Europe. He would hold in his the lives of the passengers in it. But this was left hand a glass of wine, and would allow six of only one half of the murderous ploj. There is the strongest men in the town to hold his arm and a double track, and there was e idence that the notwithstanding all their efforts to prevent him and a strategy of year cast. As finit is go do done strategy is a man, as a mount of phospheric act in a strategy of a short whether as the cast of the strategy of a short whether as the cast of the strategy of a short whether as the cast of the strategy up train, which had passed, had also met with would drink the wine! So novel and so imilar obstructions, and broken one of their surprising a display of strength as it was na-

NO. 31.

ELECTION RETURNS ger Our friends in the diffe dy upon what authority you are State will confer a great favor by forward soon as ascertained, the vote for Gos

"You are to reply, and not repeat the THE CONSTITUTION OF NEW MEX

"You are to reply, and not repeat the question put to you."

"I don't consider a man's bound to answer a question before he's had time to turn it in his mind."

"Nothing can be more simple sir, than the question put. I again repeat it. Upon what authority do you swear to the animal's age?, "The best authority." responded the winess gruffly.

"Then why such evasion! Why do you not state it at once!"

"Well, then, if you must have it."

"Must! I must and will have it," vociferated the excited counsellor, interrupting the will-miss.

"Well, then, if you must and will have it," which are claimed by the State. Such a proceeding, matter by what agency it was accomplish is revolutionary in its character; for New Methods and summer such parts of the same State. Such a proceeding, matter by what agency it was accomplish is revolutionary in its character; for New Methods and the same State. Such a proceeding, matter by what agency it was accomplish is revolutionary in its character; for New Methods and the same state is a complicity in the constitution of the

rejoined the other, with imperturbable gravity, is revolutionary in its character; for New Mex "why then, I had it from the mare's own mouth." is revolutionary in its character; for New Mex why then, I had it from the mare's own the belongs to the people of all the States, and mouth." speared more than God, and although she may be fanced and greatly admired by the world, why then, I had it from the mare's own ice belongs to the people of all the why then I had it from the mare's own ice belongs to the people of all the mouth."

A simultaneous burst of laughter rang through the court.—N. O. Pic.

United States. But even admitted through the court.—N. O. Pic. The eloquent Indian, George Copway, while speaking, in a late sermon of the facilities which every man has, to study the bible, exclaimed, "ah! impension, the bible is over we contend that the valid territorial claims of the content Gibbon truly said the best and most take up their residence on the point main, in combination with those who may take up their residence on the domain in comprehent part of every man's education is that troversy. We repeat that the claim of Texas which he gives himself.

The way it works here is this: I know an able bodied man, who, eighteen years ago, was hired by a rich man as pasturer. On accounting for the sheep put in his charge, he returned the proper number but in the mixture of flocks on the mountains, a few had been exchanged for others alleged to be of less value. He was taken before an alcalade, who assessed damages of ten dollars against him, for which he became a peon; and now he has faithfully served his master for eighteen years, and finds his debt to run up to fifty dollars. and finds his debt to run up to fifty

Mr. Webster on the President's Death. The following is the beautiful exordium the noble speech delivered by Mr. Webster the Senate on Wednesday hasts

the Senate on Wednesday hast:

Mr. President, it was my purpose, on Tuesday of last week, to have followed the honorable member from South Carolina, (Mt. Butler,) who was addressing the Senate on the morning of that day, with what I then had and how have to say on the subject of this bill. But before the honorable member had concluded his own remarks, it was announced here that the late Chief Magistrate of the U. States was an dangerously ill that the Senate was moved to adjourn. The Senate adjourned, and the solemn event of the decesse of the late Chief Magistrate was announced the next morning.