# BALEIGH, (N. O.) FRIDAY, JUNE 18, 1828.

## h-Carolina State Gazette, stilished, weekly, by BELL & LAWRENCE.

### AGRICULTURAL.

### N ADDRESS;

e Agricultural Society of this city, on the 16th of by De. R. H. Hauss, of

Mr. President and Gentlemen of the So cieta

I willingly comply with your re quest in delivering to you an address on Agriculture, and only regret my in-ability to do that justice to the subject, which its importance demands.

If there ever was a time calculated for agricultural pursuits, or improve-ments in the art, it is the present. Peace pervades our borders, " the bate's clangor nor the cannon's roar disturbs not our slumbers; our " swords are beat to plough shares, and our spears to pruning hooks." We live under a government of our own choice, and laws of our own making. We are the allodial proprietors of the soil, and enjoy undisproprietors of the son, and enjoy unde-turbed fruits of our labour. Govern-ment demands but little of us for its support. We bead the knee to no pri-vileged orders, nor pay tithes for the support of a priesthood whose theologicat tenets are discordant with our own. We live in a climate where all the necessaries, all the comforts, and many the superfluities of life can be produced in abundance. It only becomes neces: sary the we should improve those bless-ings rightly, which an all-wise and mu-nificent Providence has bestowed upon

Man cannot live without labour; it is the source of all wealth. Agriculture is the mother and support of all the arts, and it is by the due application of la-bour to agriculture, that empires exist and kingdoms are supported.

By its influence upon the moral faculty, it has tamed our savage natures, and made man a civilized being. It is not only the mother of all the arts; but it is the grand pillar upon which all the sciences rest. It has prompted and ex-panded the human intellect in its researches after truth an i knowledge. It has developed name's arcana, and caused man to believe in, and to admire in astonishment at the power and wisdom of a God!

Yet an art so noble in its purposes, so benficial in its influences, has been too d the licer

blood he had spilt to acquire it.

Although in the modern march of civilization, the arts and the sciences generally have arrived at a height creditable to the human mind, yet it is a lamentable fact, that the art of agriculture lin-gers in the rear of all the rest. Look o-ser Europe, where much has been done, and you will find much may left un-done. Italy, Switzerland, and French Flanders, are the only highly cultivated countries in Europe. France has im-proved greatly in her agriculture since the days of Arthur Young. She owes it to the political wisdom of Napoleon. Her present imbecile monarch sits like the night-mare upon her energies. Forsed apon the people without their con-sent, they view him as a titled tool, fit for other's uses.

"The deliverer of Europe," the head and front of "the Holy Alliance," from his throne, crimsoned with the blood of a murdered father, looks with an eye of indifference over his vast empire, upon the misery, the brutal and worse than savage barbarity bestowed upon the la-bouring part of the subjects, the very bone and sinew of agriculture, by the nobility. Here the distinction between great and small, between noble and ig-noble, presses with all the weight of ancient feudalism, and palsies the hand of industry.

In England, although " the political distinction of Baron and vassal" is merged in the softer appellation of landlord and tenant, yet her laws of descent, giv-ing to a few the whole real estate of the kingdom, operates as a bar to agricultural improvement, and a nursery for the growth of paupers. Her large situation of a numerous class of her opulation, speak in a plainer language he depressed state of agriculture in that country, than the sheep-shearing dinners of Mr. Coke do its prosperity. -This gentleman, however, deserves the respect and esteem of every farmer of this country and of Europe, for his spirit and enterprize in attempts to improve the art, and for the many valuable lights he has thrown upon the subject-But we need not travel from home

for testimony to prove that agriculture is neglected and abused; the great majority of the farmers of North-Carolina bow to its truth which have retarded its progress here, and in all the Southern States, there is one which, like the dark spots upon the sun's disk, appears more dark from the light which surrounds it, and which will for a long time keep us behind our brethren of the north in agricultural improvement: 1 mean the slaves of the country. It is an evil we all regrét, but cannot remedy.—Agriculture will always flourish most successfully, and improvements will go on more rapidly in a country where the manual labour is the work of freemen, than where it is done by slaves.

moment acculty, induced its votaries to believe that the summuum bonum of all carthly happiness was centered in their altars and their arms, and that to culti-vate the arts, or to expand the human intellect, by lights drawn from the mighty chieftain whose fame floated upon the mighty chieftain whose fame floated upon the mighty be of thirts of the many lawyers of the many lawyers and doctors that are called, how few are chosens little does the blind and fond parent think that in placing his so; in a sphere wature never intended him to oc-cupy, he is entailing upon him misery chieftain whose fame floated upon the block of thirts of the many lawyers and doctors that are called, how few are chosens little does the blind and fond parent think that in placing his so; in a sphere wature never intended him to oc-cupy, he is entailing upon him misery chieftain whose fame floated upon the block of thirts of the room in the sectors of the secto

same pursuit;

"For not alike to every mortal eye is this great scene unveild. For since cigfms.

Of social life, to different labors urge The active powers of man with wise The hand of nature on peculiar minds Imprints a different bias, and to each Decrements provides in common to crees its province in the common to some she trught the labric of the

The changeful moon, the broad and she is The golden cones of heaven; to some she is To weigh the moment of eternal things, of fate's unbroken of To weigh the moment of eternal things, Of time of space, and fate's unbroken chain, And will's quint impulse. Others by the hand She led o'er vales and mountains, to explore What healing virtue swells the tender veins Of herbs and flowers, or what the beams of morn

#### Drage forths

To place agriculture upon that high and honorable ground, which it ought to sustain, and to make the knowledge of t worthy the ambition and the pride of the youths of our state, there ought to be established a Professorship of Agriculture in our University. If I am not misinformen, the pecuniary situation of that institution is amply sufficient for the purpose; and if it is not, I certainly cultivated wastes, and the mendicant believe that the present Legislature, emphatically styled the collected wisdom of the state, representing with others, the agricultural interest of the community, would give their undivided support to a measure, as I humbly conceive wise in its project, and beneficial in its ends. The Agricultural Society of Al bermarle, in Virginia, have proposed such a measure to the citizens of that state, and Mr. Madison has undertaken to see it carried into effect. With such a noble example before us, we ought not to hesitate. Were the funds of this Society suffi

cient, I would recommend the appoint ment of a skilful and scientific agriculturist, assisted by Professor Olmsted, in agricultural and geological tour of the state; it would tend much to the promotion of our art, and have a happy influence in harmonising the jarring in-terest which now divide its western and eastern sections. As connected with the advancement of agriculture, good roads and navigable streams are of nrimary importance; but to carry this nrimary importance; but to carry this of our University, as a geologist, to make an agricultural and geological tour of the state; it would tend much to the state much money has been expended, and little benefit derived; public excitement is aroused, and I am fearful public opinion is against it. In my hum-ble opinion, if those who have had the superintendence of the improvement of our rivers had, begun at their mouths, and worked against the stream, they would have brought with them the good wishes and the purses of the people. In-stead of seeing the members of the Le-gislature, for fear of loosing their ceats, voting against a measure of such vital importance to all classes of the community, you would see them vieing with each other who should be most zealous in its promotion. I am sorry to say that we are deficient in state pride, and have borne the scourge of ridicule from our sisters of the union, until we have become insensible to the smart. Look at New-York; she has brought the lakes to the ocean, and the mountains to the sea board; she has opened her treasury for the encouragement of agriculture, are has heretofore been held in this and by the sound policy & political wis-ountry, has militated much against in dom of her rulers, she is destined to becenturies were baried beneath its ruins; civilization cowered beneath the potcht arm of savage superiority; intellectual light was enveloped in the dense clouds one individuals of scientific acquire-the interval and interval and improvement; it has been confined to those chiefly who were some individuals of scientific acquire-the interval and interval and com-mercial state in the union.) In agriculture, as in all other arts, he who wishes to be skilled in its mysteries, hight was enveloped in the dense clouds of ignorance and superstition, and no attempt was made for the revival of the arts and sciences generally, until near-dy cight centures at this night of gloon and ignorance had elapsed; and then of so little consequences was the art of agi-calture esteemed. That spirit of chivelry which curbed the barbarism, and to menials. That spirit of chivelry which curbed the barbarism,

is manners of would think it a culpable neglect of his severe, abstract and laborious research ed little or nothing for duty, a derogation of his fatherly dis-to investigate to a scientific develope- attention she is now That sombre shade which certiment, and a blighting frost to the ment a true doutrine of the earth. The provement of near e icon of the times cast around the budding genius of his son, were he to astronomical system of the universe induced its rotaries to make any thing less of him than a law- was not the work of a day; ages have that the sammum bonum of all yer or a doctor; but of the many lawyers rolled away from the glimmering of Co-

Sorth-Sarolina State Bazette.

and al-graces how many are there this day, of thirty, forty and fifty years of aluminous, calcarious and magnesian; but unless we do something more age, who repent in bitter agony this misapplication of talents; as farmers, as me-chanics, they might have been respect-tion and decay, and, mixing with dead Why cannot we have a Fair as chanics, they might have been respect-of and honoured in their stations, but having spent their youth in the pursuit of an object beyond their capacity to reach, they are at this day unlitted for sandy, clayey, calcarious and 'magne the one or the other, displeased with themselves, and envying those who outreach, they are at this day unfitted for the one or the other, displeased with transelves, and envying those who out-strip them in their professions; they will go down to the grave " unwept, unbon-or'd and unsung." The minds of men

known in the shops of the apathetary by the name of calcined magnesis. In their primitive or purestate, despective afford little or no nourishment to plants and they only become fertile when de-composed and mixed in due proportion one with another, and with dead animal and vegetable matter. It is highly ne-cessary that the Agriculturist should be sufficiently acquainted with chemistry, to be able to analyze the different soils be intends to cultivate, and with botany, to know what plants delight in a sandy, clayey, or calcarious soil.—Without due information upon these facts, he ofagriculture, is highly important to the scientific husbandman. Vegetables, in their organization, resemble, in a great many respects, the animal economy, and serve as a connecting loss in the great chain of creation, Linneus "comchain of creation. Limneus "com-pares" the roots of plants to the absorb-ing facteal vessels in animals: they have excretory and secretory vessels, arte-ries, veins, glands & lymphaticks: their leaves are said to be their pulmonary organs of respiration. Bacon, Tall, Duhamel, Van Helmont, Boyle, Hunter, and a host of others, have formed vari-ous and conflicting opinions upon what constitutes the food of plants; but it re-quires not the aid of speculative theor-ists to inform us that light, heat air, earth and water an absolutely necessa-ry to the growth of segetables in a healthy state, and as an auxiliary of the utmost importance to those ele-ments in their influence upon the vege-table creations, in manure! Manures are for verified and the size of the second back of the second back of the sixteenth class of his second by that great naturalist, Limmeus, is arranged in the sixteenth class of his second by the manue of gossypium fluctures, is a stranged in the sixteenth class of his second by the manue of the second by that great naturalist, Limmeus, is arranged in the sixteenth class of his second by the manue of the second by that great naturalist, Limmeus, is arranged in the sixteenth class of his second by the manue of the second by that great naturalist, Limmeus, is arranged in the sixteenth class of his second by the manue of the second by that great naturalist, Limmeus, is arranged in the sixteenth class of his second by the sixteenth second by the six chain of creation, Linnieus "com-pares" the roots of plants to the absorbthe utmost importance to those ele-ments in their influence upon the vege-table creations, is manure! Manures are

of various kinds, and no rate of various kinds, and no rate of a divantage, pect to pursue his art to an advantage, To of various kinds, and no farmer can ex-

Fairs and Cattle provement of next cattle. mules. These societies are ere new era in the apricultural histor country .- Ours is the only one w beneficial influence has not exten

Vol. XIV

beyond the walls of the room in whis we meet. Why so much apathy in Why cannot we have a Fair and Cattle doubt that a body so wise and patriotic will not hesitate to grant it. Let an however, recollect the table of Hercule

The geological knowledge that I possess of this state, is confined to a small portion. This city is the western boundary of my travels. I should feel great satisfaction in being able to comunicate to you the different soils that

variegate its sorface. From this to the stilantic, the pre-dominent constituent of the soil is siliclayey, or calcarious soil.—Without due information upon these facts, he of-ten attributes the failure of his crops to a cause diametrically opposite to the frue one. The study of the natural history of plants, as connected with practical accientific husbandman. Vagetables in

versity of soil than ours, or which is bet-

in the sixteenth class of his sexual sys-tem, Monodelphin, (or one brotherhood,) which not only embraces vegetables of the smallest but of the most stupendous unless he applies them to the soil. To enter into detail of the different kinds of manure, would be tedious, and at this time injudicious: they embrace the ani-mal, vegetable, and mineral kingdoms.

often regarded as a vocation only calculated for the poor and the ignorant. Its history is coeval with time; so are its abuses and neglects. True, in traits abuses and neglects. First, in the cing its history, we now and then find men of exalted talents, in both ancient and modern times, allording to it their aid and support. The Assyrians and the Egyptians,

he gave birth to the radiments of arts and sciences, owed their early ciriliza-tion to the genial influence of their ch-mate and that fertile soil which borders the Euphrates, the Tigris, and the Nile. More than forty centuries ago, they earned their bread in the sweat of their faces, and sacrificed the first fruits of their labour to the God of the Seasons. The Grecian and Roman writers thought it a subject worthy of their pens. Zenophon lent it the aid of his powerful genius;—Hesiod sang in im-perishable verse, the beauty and the glory of the art;-Cincinnatus sacrificed for it the purple and the diadem;-Vir-gil found here the choicest scenery for the lefty power of his muse, and such was the respect for the art among the Romans, that at the conquest of Carthage, when the libraries of that city were scattered over Africa, the only work that arrested the hand of destrucwere the writings of Mago on Agriculture.

But when that swarm of barbarians poured forth from the northern hive, as it has been apfly called, and been con querors of conquerors in the mighty straggle which overturned the Roman empire, the arts and the knowledge of

Civilization an freedom are as nocessary to the prosperity of agriculture, as the air we breathe is to our existence.

The extent of our farms is another cause of the loose and ruinous method of our husbandmen. We skim over a large surface, and get but little in re-turn for our labour. The farms of New England consists of from lifty to two hundred and fifty acres, a soil naturally ours; yet that persevering and has raceof yeomanry, whose eyes never w and whose hands never tire in pur of that which they believe to be their in-terest, have brought agriculture to a high state of improvement, far outstripping us in the beauty, as well as in the prolitable part of the business-they farm but little, but that little they farm well.

The low estimation in which agricul country, has militated much against if

" the changes in the arrangement of matter connected with the growth and lands are enriched by manure, or ren-dered fertile by the different processes of cultivations" and by it the barrenness or fertility of all soils is easily ascertained.

It becomes necessary for farmers, in their endeavors to improve the husban-dry of the State, to relinquish the old method of shallow ploughing up and down hills, and taking from the land, for a succession of years, a crop of the same kind. To this injudicious method is it owing, that so many barren "old fields" lay waste. Few farms in the hilly part of our State are intrinsically worth, by fifty per cent. as much as they were twenty years ago. By shallow ploughing, the soil of hills has floated down our rivers, fertilizing their banks, choking their channels, and stopping their months: deep and horizontal plonghing, a judicious rotation of crops, and a liberal application of manure, will yet restore them to their former fertili-ty. Our farming utensils are, in the general, illy calculated to answer the

general, illy calculated to answer the purposes for which they are intended; like the mechanic, the farmer cannot do good work without good tools. There is no better evidence in any country of the state of its agriculture, thus the appearance of domestic ani-mals. To judge of North-Carolina hus-banday by this criterion, the result would not be much in its favor.

"the changes in the arrangement of matter connected with the growth and nourishment of plants, the comparative value of their produce as food, the con-stitution of soils, the manner in which lands are enriched by manures of rensistence are made subservient to our industry and perseverance. Wheat, which has been aptly styled-the king of grain, and which constitutes such a larg proportion of the bread-stuffs of the vilized world, flourishes beneath the soft and vivifying beams of an Italian sun, and lives in the jey fetters of a Canada winter.-It has followed citilized man, in his migrations from the fertile banks of Euphrates,

"To where dread winter spreads its

And reigns tremendous o'er the conqui

Naturalists inform us that so influential is the power of climate and cultiva-tion over the habit of vegetables, " nat when transplanted into cold climates, many of the personnal plants become annular, and the species are perpetuated by seed. Thus in its native warm climate, the Ricinus Communis, o Oil plant, has a shrubby stem perennial, but in cold elimited root and the stem perish, table is continued by its greens when carried in warm cliunte, become vice versa. The Quince diff in cold climates, be evergreen, when the Barton has inform Franklini

w, since introduct ylvania, has changed its th