Farmers,

CHERAW ADVERTISER. AND

course there are exceptions.

to the improvement of the soil.

ngenious and useful in mechanism.

To the deep mine of rich discovery."

" An apple's fall, thus led the searching eye,

But there is another inlet, through

of human nature, and the first principles of the

rights of nations," is not a question of ability,

that the Chinese, if not forced, will not trade

of the future civilization of a people whose

vanity and ignorance has hitherto induced

benefit from it; for though they are so exclu-

sive and ignorant, universally speaking, every

such an agency.

VOLUME VII.

CHERAW, SOUTH-CAROLINA TUESDAY, AUGUST 9, 1842.

By M. MACLEAN.

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AGEROVLEVBAL.

From the Transactions of the N.Y. Agricultural Society. ENGLISH AGRICULTUNE-A GLANCE AT ITS

PROGRESS AND FROSPECTS. By John Hannam, North Deighton, Wetherby, Yorkshire, England. - (Concluded.)

And the general results of the same a.

gency throughout England are, that to the rich, is now the staff of the poor which he has buried his capital in the grain, and the acre which formerly gave merits, or the demerits of the free trade from eight to ten fold. Instead, too, of with the prospects of agriculture, as faithcattle, when existence was all that could that it should in some degree mar these be hoped for, it is now essentially the sea. prospects is not strange, when it is conson for fat and plenty ; for, it is now es. sentially the season for fat and plenty; grazier the power of increasing the quantity, the skill of the breeder has equally clared (vide Lord John Russell's speech) increased the quality of his stock. This that two or three millions of acres of will be seen from the estimated weight of land must go out of cultivation ; and accattle and sheep at Smithfield market, at cording to Lord Spencer, that even the three different periods, by Davenant, good land would go out of corn cultivation, McCulloch, and Youatt.

1810, Davenant estimates cattle at 26 st. 6 lbs. Sheep and lambs, 2 st. each. 1830, McCulloch do do 39 st. 4 lbs.

do 3. st. 8 lbs. 1840, Youatt do do 46 st. 12 lbs. do 6st. 6 lbs.

former.

But while the past peformances and the fact that much wants doing. and what may yet be done, if he be per

his exertions by a fear which is not with. before it be removed in toto. out some foundation. The immense efforts made by a certain class to deprive wheat, instead of being a luxury confined him of the protection, on the faith of man's strength. The quaking morass improvement of the soil, is this foundaand the arid moor wave with the golden tion. It is not our object to discuss the ditions best adapted to special cases as. back four times the seed, now returns it theory; so far, however, as it interferes developed before the essential elements of winter being a season of starvation to the ful chroniclers, we must allude to it. And the operation of various manures, and the sidered that the declared object of the these must be known before agriculture theory is to reduce the price of the for if the turnip cultivation has given the English farmer's products to a level a science, and before we can produce the with those of the continent, and the de- conditions most essential to fertility. and be converted into pasturage.

> too, that in his present situation in socie- tical observation or scientific knowty, with heavily taxed soils, and with ledge may have taught him. For dear labor, he cannot compete with the much that is known has yet to be produce of the untaxed soil and cheap la-] applied to practice. Thus geology has

bor of the continent; and that the land given us a key to the formation, nature pon which he has invested the must cap.

sure hills were passed, and 340,380 acres of science, who can point out an end to its reaping the benefit of his improvements. many brilliant discoveries. It is, therefore, reclaimed; and vet it is a remarkable fact progress or say, "thus far" to its prospects ? And this is not the case under the year to fair to presume, that if we carry principles, she in my opinion settle the question in disthat the necessities of life were more Before the philosophic mind, whatever plentiful in the latter period than in the may be its favorite sphere of action, there is ample fool. In animal and vegetable fidence in him; still he is human and

The advance, therefore, that has been physiology, in the formation, classificamade is an advance that cannot be forgot- tion, constitution, and fertilization of soils, ten. It is an achievement of mind over and in the elucidation of, and the supplythe mysteries of matter; and now, that the ing the wants of vegetation, much has alfruit of the conquest is tasted, it will in. ready been accomplished; but our best of immediate benefit, and to use his capital cite to other and more extensive exploits. guarantee that much will yet be done is

present principles of agriculture entitle For instance, we know the structure us to hold out such prospects, and to and peculiarities of vegetables, the chemanticipate, with a hope amounting to ical constitution and mechanical process conviction, that they will be gloriously of vegetation; but we are ignorant of the realized, we must not forget that the elements of vitality. We know that cerbrightest object has a shadow. So, it is tain soils are more fertile than others; we ure springs a liberal use of capital, and our duty to notice that even now a cloud can trace the constituent elements of from the security against bad times a hangs about the horizon, which, by threa. each, and discover external or mechanical more equable condition to the farmer, the is the American farmer to learn from a tening the glory of the day, throws a causes influencing the fertility, but of the general result must be an equal improve. consideration of the progress and prospects of Blailock, a gentleman formerly of the partial gloom over the brightness of the essential principle of nutrition-the elixir ment in the condition of agriculture itself. English agriculture ? morning of these prospects. Thus, with vita-or of the combination best adapted a full knowledge of what has been done, to the wants of the vegetable life, we can many practical cases. The agriculture scarcely be said to know the least. We of Scotland, where the system is largely mitted to use the same means, the English | may apply this ignorance to a single soil, employed; has made a most wonderful farmer is, at the present time repressed in | how much, then, has to be accomplished

> We know something of the uses of animal and vegetable manures; but how can we know their proper economy till the mystery of vegetation is more clearly developed, and the constituents and concertained. Much, in fact, has yet to be the soil; the operation of each constituent, effects, mechanical and chemical produced by certain crops, are clear to us; yet reaches its fair and legitimate standing as

To the practicalist are duties no less urgent. It is for him to banish from his vocabulary the word best; to think nothing good because it is old, and nothing worthless because it is new, but to lend an observing eye to its proof, and to endeav.

Knowing, then, these designs, knowing or to promulgate the truth that prac-

and properties of soils, and their bases:

year plan. A landlord may be ever so liwill give us in return, some facts, and amongst

Easette,

the rest some agricultural ones. beral, and the tent may have great con-Such, then, is a briefglance at the progress of English agriculture, and at the prospects may err, he is a man and will die; then who can speak as to the consequences? rants such a superstructure, we have fully fifteen. The prudent man, therefore, is content to shown. And our view of it, depends upon no make such reforms in his farm as will be limited examination or partial deductions. The movement that has been made, has been a movement of mind, and with the principles in a manner that it is always at his comof philosophy as their lamp, its professors and mand. This is the general rule-of practicalists have become students in the store-

house of nature. Henceforward, the prospects 3d. He would be partially preserved of agriculture are the prospects of science ; be so old a planter as "Farmer," nor live from the pressure of the times, as his rent and its future progress, will be the progress on so long a creek, yet I will bet my bobwould settle with the price of the grain. of universal knowledge ?

4th. If from the above security to ten-Although writing currento calamo, there is a question which I feel included to ask, and answer, before I close this paper. It is, what

It was the saying of an ancient author, that All these heads might be illustrated by there never was a book from which something good, might not be derived, so, in the following manner, this imperfect sketch may not be un. useful. As the history of one man is the Pro progress in the face of every disadvantage phecy, of another, as his life is the record of cerof soil, climate and locality. And we tain principles of conduct tested by experience, can have no better proof of the value of and as that record shows what should be adopthis system, than that afforded by the evi. ted, and what rejected, if we would pursue, the path of our predecessor ; so a glance at the prodence of the Scottish farmers, given begress, and prospective condition of English fore a committee of the House of Comagriculture affords a lesson of instruction to mons in 1837. From this evidence we the American agriculturist. In that sketch, are told that the great improvement made he sees cause and effect developed ; if, therein the agriculture of the Lothians, during fore, there be aught therein, which is de late years, is owing to the adoption of the irable, the cultivation of the same means, system of leasing. upon a rent regulated will produce the same result; for science is by the price of corn; that the improveor nationality, nor confines her gifts to the ments made by them, individually, on "old" or "new world," provided her demands their farms, would not have been made, which are equally universal and unalterable, had they not had such leases; that in the be satisfied. If, then, the achievements of low seasons of 1834-35, &c. they were English agriculture be worth aiming at, the preserved from much injury by the reduc. path which has been pursued, is worthy of betion of their rents, which fell immediately ing pursued again; or, in plainer words, the the sale of the cotton. Suppose the difpresent improved condition of the science in with the price of corn. The evidence of England, will incite the American farmer to one of our first agriculturists, Mr. John employ the same means to attain the same Ellman, corroborates these facts. And end ; and this is the more likely, because Awherever the system has been fairly tried in England, its results are equally favorable are peculiar to itself. Thus, in the first place, t is not an old practice, and there is consequ-Several English landlords have already ently, no fixed spirit of imitation or custom to

adopted a measure so fraught with benefit remove, before advancement can be made. 2d. As this is the case, and as many of her to the whole community, and which tends to increase the production, and conseprevailing customs, they are compelled to make quently to decrease the price of food. The it a practice of observation; to the adoption of Earl of Leicester's estates are already a which, at an early era, China owes her present striking example of such results from agricultural excellence ; and to her obedience,

The case of Messrs M. and P. does not pute. M. might have sold his cotton for nine cents, P. for ten-while Messrs. A. B. and C., farmers pursuing my plan, have based upon it. That such a foundation war- been on the same day selling theirs for

NUMBER 39.

Now, Messrs, Editors, I was also raised where a considerable attention was paid to the quality of cotton. I have also "picked, ginned, helped press," drove the horse, sold the cotton, and, "infandum Regina" -spent the money. Although I may not tail pony against his sorrel horse, that, if I should not out-write him, I will next fall out-sell him in the New Orleans market.

In conclusion, I will remark that Mr. same country with myself, and who, by the by, is well informed on those things, informs me that I have neglected to mention, in my last communication, a very important matter in relation to the construction of the Gin Stands used by my father and many others, whose cotton commanded the highest prices, viz: that the rag cylinder had a diameter of twelve or thir. teen inches and the brush full twenty. eight, being much greater than those a good deal in use throughout this county. He thinks a cylinder and brush of that size will make better cotton than the smaller. Messrs Broomfield & Woolly of Utica, ex. tensive Manufacturers of Gin Stands, universal ; she regards not the ties of kindred | think differently, yet are anxious to have the experiment tried. Certainly, the next thing of importance to the curing of cotton is the ginning. A few dollars spent in repairing the Gin will be more than doubly replaced in the difference in ference in the sale of the article would only be a cent, there would then be a gain to him who made fifty bales of two merican agriculture has advantages which hundred dollars; and only think of four cents, a difference which I am convinced would be made by the alteration of some Gins I have seen, and there then would be a gain of one thousand dollars, save farmers are strangers to the country, and to perhaps fifty, seventy-five or even a hundred that he would pay the Ginwright. R. NUTT.

> CORNSTALK SUGAR. We understand that one of our subscribers living beyond the Mississippi springs has a fine crop of fifteen acres corn, sown broadcast, with which he intends to make the experiment of supplying his wish him the utmost success, and hope he will let us hear from him. If Mr. Ells. worth and Mr. Webb, in their articles upon this subject, are correct, of which we have no reason to doubt, the time is not far distant when the sugar plantations of Louisiana may be turned to some other business-for every family in the U. States will be able to manufacture its own sugar and molasses.

But all these may be summed up in one means of life.*

not merely because it is natural to look would undertake? through the past to the prospective, and

fit is viewed, but because it is an axiom that like causes produce like effects; so the means which have done so much for mendous fall, a most extraordinary im- without it the index of tis ruin. provement has taken place in agriculture since 1820, so much so, that we now provide for an additional population a very considerable diminution of importa tion.'

not yet stop?

the ten years after 1820 only 186 enclo- such a great interest be risked for the

grand national result, that while we have ital in improvements or in tillage, must and affords us, as is evidenced by Sir J. waxed in name and in numbers. we have in- suffer first, because the interest of this V. Johnson, [Jour. of the R. Agr. Soc. of creased still faster in wealth and in the capital has to be repaid by the increased England, vol. 1, p. 273.) such practical crop. and because the management of results, as. "1. The knowledge of apply-

progress of English agriculture. Trivial tural deficiencies cannot be supplied arti- tage to grass, and when and how to plant as has been the record which we have ficially without expense.) Knowing, we wheat ; 3. What trees to plant in each been able to give of it, sufficient of both say, this, is it possible for Lim, at the precause and effect has been developed, in sent time not to feel misgivings, to hesithe history of the past, to make our pro- tate, and often to finally relinquish those phecy for the future a golden one. Such improvements which, were he sure of of the soil, and shows us what element or prospects, we are inclined to believe, are reaping a fair return for his capital, he earth it is deficient in. Geology again

it is natural also for the object to assume policy to experiment with such a great improving the soil resorted to, although a tinge from the medium through which important interest, and to produce so Davy long since made known that "the much certain evil for an uncertain good ; best natural soils are those of which the whether or not it be justice to unroof one materials have been derived from differhouse to repair another; and whether or agriculture, being continued in operation, not Mr. Van Buren's opinion, that " noth. it is fair to presume will yet do more. ing can compensate a nation for a depen-And that the same agency will continue dence upon others for the bread they eat," to operate, we may the more safely judge, be a fallacious one, I leave. Thus much, ter than imitate the process of nature. because the nearer we look to the present, however, we are compelled to say, that The materials necessary for the purpose the more we see its effects. Thus we the very agitation of the question, and are seldom far distant; coarse sand is often know that since the commencement of the possibility of a measure being passed found immediately on chalk, and beds of the present century, our produce has in- by the Legislature which would reduce sand and gravel are commonly below creased faster than our population. Be- the farmer's produce to a rate lower than clay. The labor of improving the texture tween 1800 and 1820, this is evident, he can afford, has a tendency to mar, in is repaid by a great permanent advantage; but it is more so from 1820 to the present some degree, the present prospects of and capital laid out in this way secures time. Thus, even Mr. Macculloch says, English agriculture, and to check that for ever the productiveness, and conse-"The price of wheat in England, at an spirit of improvement that has already se- quently the value of the land." (Lecture, average of the ten years ending with 1820, cured to England, along with its fast in- p. 204.) Although, too, we are aware, was no less than 83s. 6d. per quarter: its creasing population, a still faster increas. from the writings of agricultural chemists, average price has since, as we have just ing production of the necessaries of life; of the high value of liquid manure-that, seen, been reduced to 56s. 1131. per and this attained, it is said, that population in fact, 1 lb. of urine will produce one quarter; and yet, notwithstanding this tre- is the measure's of a nations prosperily; Ib. of wheat, how seldom do we see it pre-

culture, throws a partial gloom over its not only without any increase, but with present prospects. We say a partial as much is lost as would, if applied, have gloom, because we have every assurance an effect equal to the whole of the lime, If we look, however, from 1830 to 1840. adduced at the commencement of that used. we still see more clearly the operation of portion of our subject, incline us to believe of the spirit of progression; and in that bright prospects have yet to be realizthe individual and united efforts of ed; and a knowledge of the position the agriculturists, in fostering every which the friends of agriculture hold in germ of improvement, at this present the country, the exertions which they moment, we have a still surer evidence have made to promote its improvement, that it is not yet inoperative. If we and their knowledge of its importance as know, then, that the wheel of improve. a national interest, convinces us that this ment has had an impelus, and that impet. cloud will not be permitted to destroy us has kept increasing up to the present them. Had this "heavy blow and great time, may we not conclude that it will discouragement been contemplated before English agriculture had assumed its pre-But there is another consideration sent standing, as a science, it might, per which induces us to picture bright pros. haps, have been carried into effect. It pects for agriculture. The progress never can now. Ignorance and apathy which has been lately made has not been are no longer the characteristics of the a progress or extension of the practice guardians of the soil. The lamps of scimerely, but an extension of the knowledge ence shed their light over the once dreary of the science of agriculture; for if we waste, and in it the statesman sows the look to the 20 years preceding 1820, we seeds of national independence and prosshall find that 1677 enclosure bills were perity, and the philosopher finds food for passed, and that 3,069,910 acres of land the mind ; and it will not be made the were brought into cultivation, while in subject of an experiment. Never will sake of trying a novel theory.

This then assumed, what a field opens wheat, or not quite 8} bushels per acro. 'Ire. spirit of progress which actuates modern to make the best of it.

Such, then, is a brief glance at the such soils are the most expensive (as na ing lime; 2. Laying down fields to advanstratum."

Chemical analysis, too, supplies us with realized. They are, in fact, the golden the relative proportions of the constituents teaches us where that element is found : that observation and spirit of investiga-Whether or not it be proper national yet how seldom do we find this method of tion to which agriculture owes so much, and they must be useful. Without incentive man is powerless, with it he may perform wonders; but he must do much. ent strata, which have been minutely disomething; and it may be something of vided by air and water, and are intimate. more value than that which was originally ly blended together; and in improving sought for. Thus, to the vain search soils artificially, the farmer cannot do bet. after the philosopher's stone, we owe the discovery of many chemical truths; and, to motion, we are indebted for much that is which I see a prospect of some agricultural knowledge, shining upon England. The Chinese war, will, I hope, open this door. How, will not require much ex. planation. The present war is not an served at all. A writer in the Prize Essays This, then, is the cloud which, by of the Highland Agricultural Society of threatening the future condition of agri. Scotland, (Quarterly Journal of Agr. for this month, Dec. 1841,) calculates that course with the rest of mankind, not upon that it will soon pass away. The reasons rape dust and bones which are commonly terms of equal reciprocity, but upon the insul-

> By the amateur agriculturist, and in this class we include statesmen and every one who is a farmer by choice, much is required. By him, an example should merce of other nations ; imposts and restric. be set, in the adoption of all improvements, and the support of the means which are publickly proposed for the encouragement of agriculture, and every facility afforded to the tenant to follow in his wake. Adopting this principle. there is one change in his power to make (I think.) but of will. And that she has which will tend to stimulate the improve- the will her present preparations show ment more than any other. This is, a Moreover, she must now have a trade upon change from the present tenant-at-will fair terms, or no trade; as she has gone so far plan, with a corn rent, "depending on the to the laws of similard patients there is not the base of similard patients there is not the laws of similard patients the similard patients the laws of similard patients the sinterval patients the similard patients the similard marketable price of the produce." The doubt. England will have the credit, and ali advantages resulting from this would be, the world the benefit, of having taught a lesson 1st. A tenant with capital equal to his of humility to, and of having laid the foundation farm ; for he would never think of taking it, as is often the case, now, till he met with a better, and after robbing it, or it

robbing him, for a few years, leave it for another to experiment upon; but, as his engagement would be one of some duration, he would consider well before he author allows that their practical agriculture olk) produced on 66 acres only 552 bushels of to our view. By developing the same bargained, and after, he would endeavor is the most perfect in the world. Let, then,

though late, to the same principle, England as we have shown, is indebted for "the pro These then are a few, out of the many

gress and prospects" of her agriculture. steps which have to be taken in the march 3d. Having, in many cases brokenfrom famiof improvement. And though some of ly and fatherland associations, these farmers, them may be encompassed by difficulties, must possess some energy of mind, a qualification which will, at least, teach them "to know which it appears impossible to overcome ; themselves," the first step to knowledge and plantation with sugar and molasses. We they are, as we have said, so far from beinduce them to adopt every means of iming dark spots in the prospects of agriprovement which is in their power.

culture, our best guarantee of their being 4th. The American farmer is generally the freeholder or owner of the farm he cultivates apples which will tempt the inquiring The improvements he makes, are, therefore, mind, further and further forward in the his own, without doubt, and his best policy race of research ; they are incentives to to increase the value of his property.

That these influences are in operation at the present moment, this volume of "transactions," is sufficient evidence. It is impossible, therefore, that a glance at English experience can be uninteresting or useless. J. H. North Deighton, Wetherby, Yorkshire, Dec. For, if the mind once seeks, it must find 31, 1841.

From the South-Western Farmer. UTICA, 10th July, 1842.

Messrs Editors :- I have read with much pleasure, on the pages of your valunble paper, the communication signed the equally futile attempts at perpetual "Farmer," on the subject of curing cotton; and in reply to a previous article of my own. It is a subject which has hitherto caused but little enquiry in Hinds, altho' of equal or greater importance than the ginning this season, and my word for it culture of the article, or any other calling you will never regret it, nor the time the attention of the cotton planter. I spent in this business, which will add beg leave to state that there is not so and increase the fertility of your lands. great a difference in our plan as "Far- The business of Compost making is so mer" supposes, particularly in the picking well understood by most of the farmers, and drying process. He suns until the that it needs no particular description. opium war. As the Hon. John Quincy dew is "dried cut;" I. until the "seed Adams proves, (in his admirable lecture on that part of the law of nations which applies crack." Now, if the dew be "dried out" to the existing war between Great Britain and China.-(Boston Notion, Dec.-4th.) of the ripe cotton, the seed will undoubt-edly be hard. There is however, partic-The cause of the war is the Ko-ton ! the ularly in the early part of the season, a arrogant and insupportable pretensions of good deal of green cotton that requires drying, although but little or no dew may be. China, that she will hold commercial interwill have fallen on it, which would otherwise become blue in colour, although "Farmer" should move or scat. manure, and we find it good for every ting, and degrading forms of relation between lord and vassal." England will bear this no ter it about in his house once a day for two kind of crop, particularly for a top dreslonger: the final instructions to the plenipomonths. By the "dingy red" I had re- sing for corn and potatoes, meadows, and tentiary, demands that future intercourse shall ference to the colour given to cotton the like. Not having sufficient room be carried on upon terms of equality, and acby the plan pursued by a great in our barn yard for making the Compost cording to the forms which regulate the commajority of our farmers, viz: hous- heap, we make it by the road-side, having the option of each party. That England will ing it without any sunning whatever. It a good wall for the back side of the heap. compel the abandonment of what Mr. Adams, then "heats," and I have absolutely seen We then raise it up to the top of the wall, terms "an enormous outrage upon the rights it smoke.

"Farmer" is certainly well aware that cotton, altho' as dry as sun could dry it, will, when thrown into a bulk, go through seed. The vegetable oil is then pure and a substitute for this, we go into the woods pliancy," and a better color than a steam inches off the top of the ground, which toof dew, sap and oil combined.

make fine cotton of that suffered to re- for mixing with the compost heap, that main in the field for a length of time" is, them to consider China, the very heart of the that it injures the body and strength of the fibre, which "Farmer" is willing to allow. This accomplished, and agriculture must It also acquires a dingy blue colour-imparted perhaps by the drippings of dew off the leaves impregnated by the colouring matter of the same; by the bell of that an intercourse upon equal terms, be fairly es. tablished with such a people, and there will portion adhering thereto, and by the soon be a barter of knowledge, as well as of particles of dried has falling on it, which

From the Connecticut Farmer's Gazette.

A CHAPTER ON COMPOSTS.

Mr. Storer, - Notwithstanding the great value in which this kind of manure is held by most of the farmers, yet it is believed by us that there are yet many farmers who do not make a single shovelful of this Compost manure in a year .---To all such we would say, make a be-It is made by mixing together rich sods, wash of the roads, swamps, mud and muck, stable manure, green weeds, and all kinds of vegetable matter, with a mixture of lime, ashes, or plaster, as the case

We have for two seasons past made about forty loads single, of this valuable and then, after we have made it of sufficient width, and length, we turf it up at the side and the ends. It happens that we have not a swamp upon our farm, so when, not only the dew is dried out of that in making our compost we do not the fibre, but the sap out of the green have swamp mud or muck. However, as imparts to the fibre "softness, toughness, and get leaves, and scrape off one or two gether with the half decayed vegetable The reason of its being "impossible to matter, forms some of the best materials we have ever tried. Lime or ashes should be used in making compost, as they help to decompose the vegetable matter. and also to make the whole mass thorough. ly decomposed. Some experiments have been made, with both ashes and lime, for a test; and the result was in favor of ashes, as being the best. We intend to try



universe.