Farmers Gasette, CHERAW ADVERTISER.

VOLUME VI.

CHERAW, SOUTH-CAROLINA, WEDNESDAY, OCTOBER 6, 1841.

By M. MAC LEAN.

TERMS :- Published weekly at three dollars year; with an addition, when not paid within taree months, of twenty per cent per annum. Two new subscribers may take the paper at

five dollars in advance; and ten at twenty. Four subscribers, not receiving their papers in town, may pay a year's subscription with ten dollars, in advance.

A year's subscription always due in advance. Papers not discontinued to solvent subscribers in arrears.

Advertisements not exceeding 16 lines inserted or one dollar the first time, and fifty cents each ubsequent time. For insertions at intervals of if the intervals are longer. Payment due in up. But your Berkshire never gets poor, like mucilage. From 400 grains of wheat two weeks 75 cents after the first, and a dollar advance for advertisements. When the number of insertions is not marked on the copy, the advertisement will be inserted, and charged til rdered out.

IT The postage must be paid on lettersto the editor on the business of the office.

AGBFOULTURAL,

From the Southern Cabinet. " Old Point Comfort, Aug. 22, 1841.

" Dear Sir,-I enclose you a copy of a letter received from Mr. McClean on the subject of drilled wheat. His experiment is a very interesting and important one, and dos rves to be prosecuted farther. I saw this wheat and think I never saw a more luxuriant growth or one that promised a greater yield ; but Mr. M. omits one important fact-it suffered somewhat from the rust.

" The objections urged to drilling wheat in this country, where land is cheap and labor high, are first, that the drilling is expensive, and secondly, that to secure any advantage from drilling, the crop must be worked; or in other words, that drilling is only to be resorted to, as it enables you to work the crop. If this the fact, I should say, that no Virginia farmer would be justified in drilling his wheat; but the fact is the reverse ; for drilling is attended with no increased expense. (other than the cost of the drill) and the labor of working the wheat would be thrown away. The increase of product therefore, arises from the more equal distribution of the seed, the uniform depth at which it is covered, the free circulation of air through the drill, and the better condition in which the land is left by the operation

lean and hungry alligator, which he could | body. not catch if he would, and would not if he could. If any man attempts to keep a the value of the straw, as an article of large number of Berkshires in this neigh- food, depends upon the quantity of nutriborhood, he must house them every night tive matter contained it. "This nutri-

under lock and key. Again, as to the bacon they make. I as now generally used," the practical Virginia ham to any other eating in the poor food, and scarcely able to sustain world. Now I do not believe that a life." This is true; "from 400 grains of prime ham can be made of the true flavor dry barley straw," says Sir H. Davy. "I out of any hog less than two years old, or obtained 8 grains of matter soluble in wafrom any except a poor hog just fattened ter, which had a brown color, and tasted and at the end of two years is an over. straw, I obtained five grains of a similar grown mass of grease, well adapted prob. substance." With this paucity of nutriably to making grass meat for negroes, tive matter in the straw before us, how but totally unfitted for the delicate highly can we account for the fact that, in the flavored table ham. That new flesh af. sap of wheat, the straw, and all succulent fords the most delicate food is no new, i. plants, there is naturally a great propordea, but one well recognised amongst tion of mucilaginous and saccharine matbeef eaters, who all admit that the most ter ? The answer is this. In all grasses delicate eating is obtained from an old and succulent plants, the greatest proporworn down ox just fattened up.

Remember, sir, I am speaking of the dead ripe. ‡ So in wheat, when we allow delicacy of bacon without regard to the expense of making it, which by the by no portion of the sugar is converted by the true lover of bacon will ever regard. My the action of light, heat. &c. into mucildevotion to the article may make me over age,* and a great proportion of the nutriparticular, but I must confess I look upon one of your overgrown Berkshires with atmosphere, or lost in some manner; for, ham with a melancholy foreboding that of Experiments on Grasses," " there is a its delicate sweetness is destined to yield to the greasy rankness of the new breed.

AN AMATEUR BACON EATER. New, Kent Virginia.

From the Farmers' Register. EXPERIMENTS TO SHOW THE PROPER STATE OF WHEAT FOR REAPING.

[Continued from last week.] From the above details, it would appear

jection the writer anticipates, because it | the ripe with scarcely any in it. is a natural one, which he felt himself, ult, he could no longer refuse to believe

periments valueless, by mixing the real

results of practice with the imaginary ones

Ist. Straw of a better quality.

3d. A saving in securing it.

1st, "Straw of a better quality." This

As an article of food the value of any

vegetable depends upon the gross quanti-

ty, or upon the combination of certain

substances termed soluble, from their en-

applies particularly to the grasses which

is easily demonstrated both for the purpose

is ripe, we have

of food and manure.

rop; and

Now wheat is a species of grass, and tive matter must be very small in straw,

am old fashioned in my taste, and prefer a farmer will say, "for straw per se is but tion of this is present before the flower is

the straw to remain till thoroughly ripe, a tive powers of the grass absorbed by the that have been dried after they were cut in a succulent state, and those which are dried (if I may so express it) by nature while growing. The former retain all their nutritive powers, but the latter, if completely dry, very little, if any."

As a manure, too, the straw cut "raw" is equally superior to the ripe; for, as it is an agricultural axiom that the better the that it is the farmer's interest to cut his food of an animal is, the better the manure wheat before it becomes thoroughly ripe. from it, the manure from a stock con Many, no doubt, will be disposed to doubt suming this straw, containing a fair proleductions of such importance drawn portion of nutritive matter, must be more from such limited experiments. This ob- valuable than that from stock consuming

But a great proportion of the farmer's when he considered the most important straw is converted into manure without conclusions which resulted ; when, how- undergoing the process of mastication and ever, he retraced, step by step, his investi- digestion. For this purpose the unripe gations, without any variation in that re. straw is equally preferable, as all unripe again and often. vegetables are manures without prepara it true till he proved it untrue. He is tion +- the soluble and nutritive extracts a double one. In the first place, there is ing taken to support it in a manner to of the quality, are lost to the farm and aware that there are other points of conwhich they contain, being the principal sideration in this subject-that there are agents in forming vegetable manure; as peculiarities in the nature of land, of seed they not only combine to render the proor of season, and that there is, as in all cess of decomposition the more rapid, by breaking down the woody fibres. ‡ &c. in man's investigations, a possibility of error: any of which circumstances might the manure heap, but are also in their materially affect the result of experiments pure and separate states stimulants to upon so limited a scale as the present one; vegetation.§ It may be urged that the increased and for this reason he will, if all he well, value of the straw is more in favor of that give the subject a trial in the ensuing harvest, on a much more comprehensive cut very green (No. 1) than that cut a scale. That the results of these experiments will be corroborative in the main to produce this increase of value, if we points, he has no doubt, and for this cause cut our wheat so early as No. 1. we have he feels no hesitation in laying the prea desiccation of the grain to such an exceding "details" before the agricultural tent as to diminish the measured produce world; moreover, as he has in no case above 12 per cent.; while, by reaping with given a deduction without the grounds No. 2, we are, so far from injuring either upon which it rested, the degree of "acsample or measure, actually improving ceptation" which the reader may give it both, and at the same time gaining above rests with himself. The most sceptical. 5 per cent. in the weight, and at least as he however flatters himself, will think it much in the quality of the straw. For worthy" of being tested, if of nothing the increase of weight in the latter is not produced by a greater produce, but by the In testing, however, the conclusion presence of a greater portion of those which the foregoing experiments warrant, there are some other advantages which + . The fluids contained in the sap-vessels of wheat and barley afforded, in some experistrengthen that conclusion, which must ments which I made on them. mucilage, sunot be forgotten. That they have not gar, and a matter which coagulated by heat." Sir H. Davy, Agricul. Chem. 142. ‡ Vide Agricul. Chem. Sec. 6, p. 264. been considered in the preceding pages, is not because they are of no import, but, on the contrary, because they are of such The inferiority of the quantity of sugar in consequence that the writer could not as. the summer crops, probably depends upon the sign them an adequate momentary value. agency of light, which tends always in plants to convert saccharine matter into mucilage. And had he attempted to do so, he would Ibid. p. 414. have at once made the details of his ex-

Our only safety is in your long legged other matters were absorbed by the soluble substances which are alike neces- as nutriment and be assimilated, is one for many years, and can testify to the sary to animal and vegetable life-are thing; and stimuli, to impart a tone to or great benefits derived from it; and he has alike the nutritive part of food and the excite the functions belonging to vegetation, so as they may exercise their office

quickening principle of manure. 2d, We come now to the second advan. in a healthy condition, is quite another aftage, the "better chance of securing the fair. I am not quite sure that because crop."

lime in wheat, nitrate of soda in barley, This is self-evident. We gain a fortphosphate of lime in the oat, and so on night at the commencement of harvest. If the weather be good, we can secure a great portion of our wheat before we should scarcely have begun upon the old system. If not, we can wait; so, under any circumstances, our chances of secubeen what we term "good" ones, i. e. Nicum, Capiscum, Zingiher, &c., as good as regards weather and the condi. well as alkaline matters to Saleconia Sal tion in which the grain was secured .- sola, Kali, &c. I believe that they are When the peculiarities of our climate, its fatal antipathies among plants, as well as general fickleness, and its still greater lia. recriprocal affinities. In 1839 I proved bility to change as the autumn advances, clearly that roots posses ssecret ing are considered, this will require no expla- organs as well as absorbing In vessels. This fact was subsequently verination.

If we look, too, at the later harvests, fied by Macaire and others. It explains we shall, I venture to say, find that, in the necessity of the rotation of crops. a nine cases out of ten, the grain which was well as the phenomenon of individual cut first was secured in the best condi- plants never perishing in juxtaposition tion. As an example of this, the crop of with several of their congeners-while 1839 will suffice. The crops were late, they luxuriate in health and vigor near great distrust, and set down to my favorite as Mr. Sinclair observes, in his " Report the beginning of reaping the same, and other plants. On the simple principle so the result was that in the north of Eng- frequently exemplified in the animal world great difference betweens straws or leaves land full 75 per cent. of the whole wheat as in hares, goats, sheep. &c., what is crop was damaged. And full 75 per cent. food for one is poison to another. In vegof that which was uninjured, I will also etable therapeutics we are miserably de venture to say, was that which was cut fective ; indeed, nothing has been done. the first. In Yorkshire this was especial. Charcoal, the scalpel, the syring, fumigaly seen; for the earliest wheat was with tion, &c., external and mechanical acts, the greatest difficulty secured. In this ccrs itute the sum total, with a change of village (North Deighton) not a sheaf was food, of our treatment of invalids. No in stack till the day before, and on some medicine has been administered internally farms, the very day on which the rainy to the sickly plants. If growing chamomile will restore [as it constantly does) weather set in.

The frequent recurrence of such years health to diseased and drooping vegetation, as this, will teach the value of even a fort. then let an infusion of chammonile be night better than any thing that can be tried, and so on. I merely, meantime, said here. And that they will recur is throw out the hint ; hereafter I may send beyond a doubt. What has happened you results of experiments. once may happen again, but what has fre-J. Murray : Gardeners' Chronicle. quently happened, (as this sort of harvest has,) with the same causes in operation, Methods of Healing Wounds made in we are warranted in saying, will happen

large Trees by Lopping. 3d, The saving in securing the crop is

no doubt but his shoemaker's bill has been reduced to one half by the use of this composition; and what has been saved by doctor's bill he is unable to estimate. Common grease applied to leather tends to rot it, and it is soon washed out in wet

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weather .- Farmer's Cabinet. From the British Farmers Magazine. Manure.

Allow to point out the enormouse waste of manure, in the shape of muck, readlting from badly constructed farm-yards, and by mismanagement. And first by way of hint to landowners, there are but few farm-yards in the western part of this conuntry, but are situated and apparently formed for the purpose of washing away into the brooks and streams this muck .---The sites which have been selected for the sheds, commonly called "huhays," are placed on an eminen with the yard of "barton" on an inclined plane-frequently on a considerable declivity. The con. requence is, the valuable property of the muck is either wasted by evaporation or washed away the heavy rains and by the accumulation of water from the roofs of water from the roofs of the sheds, mounting, when the fall of water is heavy, to a flood. This waste of manure, in too many instances, goes on throughout the winter. What then must be the amount of waste and loss? 'I'he bloodcolored streams of water, by the mucilaginous and extractive matter-the soluble essence-flowing a way throughout a long winter, is the best answer. It is so novelty to see an accumulation of stabledung at the door, or placed near, and under the eaves, smoking with excessive fermentation, and driving off,in gaseioun form, carbonic acid and ammoniacal matter-the constituent property of good farm yard manure; the residue merely woody fibre, and scarcely worth taking away. All farm-yard dung, and particularly that from high-fed cattle, deteriorates from the same cause. It is too much the practice to let dung accumulate through the winter, till the cattle are about to be turned to grass, and to collect the whole into large dunghills; by this three or four feet from the tree, care be- one-half of the quantity, and three-fourths prevent it from splintering the stump. to the public. The landowner would The bark of the stump is then cut into do well for his tenant, in diverting the water from his farm-yards, by shoots be ing fixed to the eaves of the buildings; the tenant would soon discover his interback so as to keep them clear of the saw est, by preparing layers of soil, from 1 foot to 18 inches thick, for a base, cast on his dung as soon as made, and seal it commences. He subjoins a test: "When a piece of paper, moistened in muriatic acid, held over the steams arising from a dunghill, gives dense fumes, 'it is a test that the decomposition is going on too far, for this indicates that volatile alkali is disengaged." Having given my opinion on the economy of farm-yard dung, I shall bonclude, on the present occasion, by detailing the practice I adopt in further preparing these compost heaps, preparatory to being laid on the land intended spring, and when the temperature rises, these composts should be well turned and mixed'; this cannot be too effectually performed. When heat is generated in the composts, which is generally the result in ten days or a fortnight, according to the temperature of the atmosphere, they should be re-turned and intimately mixed again; and this process should not, on any account, be neglected ; the non-deteriora ion of the manure will not be safe till it is well amalgamated with the soil intended for cropping.

The branch is cut off at a distance of practice, on badly constructed farm-yards

with others, it necessarily follows they must be supplied with these several earthly alkaline salts, until it be clearly proved by experiment, that the salts are really absorbed and selected with rare discriminring the grain must be greater. More- ation from the soil, and not produced from over, if we take a retrospect of the har- the plant. If the former be ascertained, vests for a number of years, we shall find | then " sweet to the sweet," sugar to the that nearly all the early harvests have sugar-cane. pungent solutions to the Piper

we find on chemical analysis, sulphate of

of the drill plough. Very respectfully,

Your obedient servant, R. ARCHER."

" Elizabeth City County Aug. 17, 1841. " DR. ROBERT ARCHER,

" Dear, Sir .- Late in October ult. I thought I would experiment a little by drilling two-thirds of an acre of wheat, believing that drilling a full crop would pay me much better than a crop sowed broadcast.

" In this two-thirds of an acre, the rows fifty to sixty vards long, there were sixtythree rows fourteen inches apart.

·If any difference in quality or quantity of wheat in these rows, it was in favor of those seven inches apart, where five pecks were drilled to an acre.

"At the rate of ten pecks, were drilled on two beds, drills seven inches apart : this I found by far too thick : the wheat did not produce so well, and looked sickly from the time it first came up.

"The wheat came up well, but looked no better than my crop in general, until it began to head. Early in April I ran a large | -row over it; thought it improved its af arance; latter part of April or first of Mov I ran a cultivator between the drills (fourteen inches apart) on two beds ; but at reaping time I found no material difference between that worked and that unworked. The weeds were completely kept under where the drills were close; not so with those fourteen inches apart.

" On this two-thirds of an acre I made fourteen bushels, and had it all baen drilled seven inches (which produced as well or better than the fourteen inches) I would have made twenty-one bushels, a vield of thirty-one and a half bushels to the acre-three times as much as my gen. eral crop averaged.

"I am so confident of the success of drilling, that I intend to drill thirteen acres this fall. I have a machine made by Mr. Jabez Parker, of Richmond, invented by Mr. Andrew Bartle, of this county, by which wheat can be drilled with less trouble than it can be sowed broadcast, provided the wheat is to be ploughed in.

"This drill can in a few minutes be attached to any plough by any common hand.

"I shall be able, after my crop of thirteen acres is reaped, to give more on this drilling system.

My Dear, Sir .-- I have seen and heard much of the Berkshires and have no doubt improved hog now known to the agricul-

+ " Green crops, or any kind of fresh vegeable matter, require no preparation to fit them for manure.

of opinion. Before the subject, however, "All green succulent plants contain sac. can be thoroughly sifted, they must be charine or mucilaginous matter, with woody considered. The circumstances are these: fibre, and readily ferment. They cannot, -independently of the 4 per cent. gain therefore, if intended for manure, be used too soon after their death. (according to the foregoing experiments)

"When green crops are to he employed for by reaping our wheat a fortnight before it enriching a soil, they should be ploughed in, if it be possible, when in flower: for it is at this period that they contain the largest quan-2d. A better chance of securing the tity of soluble matter, and that their leaves are most active in forming nutritive matter."

Sir H. Davy, Agricul. Chem. p. 264. t "Vegetable manures, in general, contain great excess of fibrous and insoluble matters, which must undergo chemical changes before they can become the food of plants. It will be proper to take a scientific view of the nature of these changes, &c.

"If any fresh vegetable matter, which contains sugar, mucilage, starch, or other vegetable compounds soluble in water, be moistened and tering into union with water. This rule exposed to air, at a temperature from 55 to 80 degrees, oxygen will soon be absorbed, and

" In proportion as there is more gluten, albu-

to me more complicated than is generally ring. Leather thus treated will be found fidence reposed in him. As the Pres must continue to range our hogs, and vestigation." Sir Humphry Davy in his oily, and extractive fluids, and solution of carhence they must ever be exposed to de. "Account of the Results of Experiments on bouic acid and water, are substances that, in the invention depend on impervious to water, and will wear twice now understands this matter, we doubt the produce and nutritive qualities of infferent their unchanged states, contain almost all the supposed, and the invention depend on a long as that to which it has not been at the invention depend on the inventor depend on the inve predation. Now a round fat sleek Berk-grasses and other plants, instituted by John, principles necessary for the life of plants." Ibid. more subtile elements than usually as long as that to which it has not been not he will save us from further humiliaenter into the estimate. Food, to serve applied The writer has used this article tion .- Philad. North Amer. shire a temptation that the pilfering pro- Duke of Bedford." p. 256. pensities of our negroes cannot resist,

less waste in moving or reaping, and no danger of "shaking" or "necking" in strong winds. In the second place, there is an absolute economy in the expense of reaping the crop, which may be thus illus-

farmer generally extends over four or five of his work is done by his own hands, their own terms.

trated.

wheat, oats, and barley, are often ripe at ers would do them, he has to hunt up lathat, having the whole of his harvest let some part of his grain have too little or some too much weather. By comearlier, these evils would have been preoats were ready, most or all of his wheat be attacked by frost. would have been cut, and some of it fit for the stack, and that, too, by the exertions of his regular workmen only. And being neither pressed for time nor laborers, his harvest would have been finished at a

probably in a much better condition. To assign a value for these advantages is, as has been said before, for the farmer himself; and it will not be an insignificant one. For if beginning harvest a fortnight earlier enables him to save a crop from spoiling once in a lifetime,if the improved quality of his straw as food for his stock allows him to plough out an acre more, or to pasture another acre of clover with feeding stock, instead of mowing it for his lean stock, every grain saved, every extra bushel of corn produced, and every extra head of stock fed. is a benefit to the whole community as

less expense, and his grain secured very

narrow longitudinal strips, which, after being carefully peeled off with a barking tool as far as the body of the tree are tied

The busy period of harvest with the in the amputation of the stump close to the body of the tree .- The saw-cut surweeks. In this month a certain portion face is then smoothed with a wide mortice down with onother layer of soils, &c. Clay chisel, and is covered with the strips of or marl should be used for lavers. &c ...i. e. by the regular laborers and servants bark. cut and fitted to it as accurately as of compast for light or gravelly land, and fortnight later (No 2.) This is true; but, of the farm; therefore, by beginning a possible, and fastened down with brads vice versa. Sir Humprhey Davy has infortnight sooner, and extending the seas. driven into the depth of about one-eighth formed us, that when dung heats beyond on of harvest over six weeks instead of of an inch .- The wound and surrounding 100 degres of Fahernheit, detererioration four, it is evident that these regular ser- parts are next covered to the depths of vants would cut a much greater propor. two or three inches with a cataplasm, action of his crop-in fact one half more. cording to the following receipt :- Clay, By this he is rendered less dependant on 4 parts ; fresh cow-dung 2 parts , finelythose extraneous "helps" or "takers" who, sifted wood-ashes, 1 part ; add cows' hair, in the seasons of hurry and anxiety, fix such as that used by plasterers, a handful or more, according to the quantity of the How often do we, especially in the composition required. Mix these maternorth, behold a force of reapers in almost lals together in a very regular manner, every field. The reason is this: the moistening them with water to bring the whole to a proper consistence. To preone time, and aware as the farmer is of serve the cataplasm from injury, stout the injury which strong winds and show. canvass is passed over it and sowed round for its reception, &c. Early in the the body of the tree; both of which must borers at any price. And, after all this remain for 6 or 8 months; their removal extra expense, it is extremely prohable depends solely on the healed state of the bark. When the bark is healed, the part upon his hands at once, he is compelled to of the tree where the branch was amputated will appear as if no limb had grown there. The operation should not be permencing his wheat harvest a fornight formed in the winter months, for the bark will not run or separate from the wood, vented; by the time that his barley and and the wounded part would be liable to

> Mr. Henry Smith : Transactions of the Society of Arts.

WATER-PROOF DUBBING FOR LEATEHR. Keep your feet dry and head cool.-To render leather water-proof, and at the same time to preserve its elasticity, is a matter of great importance, as it increases its durability, and protects those who apply it to shoes or boots from the mischiev. ous effects arising from damp or wet feet. The following receipt followed out carefully, it is believed, will effect this object. Take a pint of linseed oil, two ounces of bees wax, two ounces of spirit of turpentine, and a half an ounce of Burgundy pitch, and slowly melt them together, continuing to stir them so as thoroughly to incorporate them, being careful not to set the mass on fire, as the ingredients are all combustible. When this compound cools,

A NORTH-WEST SOMERSET FARMER.

Abuse of the President's Confidence.-The individual referred to by the National Intelligencer of yesterday, as having wormed himself into the confidence of the President, and who is connected with the New York Herald, has given another evidence of his unworthiness of the partiality which seems to have been conferred upon him. He started from Washington on Thursday, at 12 M., with a manuscript copy of the veto message, in the handwriting of the President's Private Secretary, which he exhibited to the passengers on board the steamboat from Baltimore ; boasting at the time, of his familiarity with the President, and his previous knowledge of the contents of the veto message.

are used for the purpose of feeding stock.* These facts reach us from three indivcarbonic acid formed; heat will be produced. it will be found to be about as elastic as I am, most respectfully, yours, well as to himself-is so much added to The substances generally found in these and elastic fluids, principally carbonic acids, leather ought to be. If it were harder, it duals who were on board the boat at the A. B. MCLEAN." the gross produce and wealth of the coungaseous oxide of carbon, and hydrocarbonate, grasses are saccharine matter or sugar, would cause the leather to crack time; and whose statements are entitled From the Southern Planter. will be evolved; a dark colored fluid, of a try. There being. in fact, an increased mucilage or starch, and gluten or albuor break when bent ; and if it were softer, to conditence. The explanation of this AN OBJECTION TO BEEKSHIRES. men, and bitter extract and saline mat. slightly sour or bitter taste, will likewise be return without an increased outlay. disgraceful betrayal of confidence, as stawater would enter and wash it out. To formed ; and if the process be suffered to conters. Of these the sugar is no doubt the apply it, re-melt it, warm the shoes, or ted to us, is that the impudent fellow was tinue for a time sufficiently long, nothing solid The Food of Plants. most, and the extractive matter the least, boots, and put it on with a small brush or "in his cups." But the President should will remain, except earthly and saline matter, that for same purposes they are the most I cannot but think we are greatly at a sponge, or piece of cloth tied on the nutritive; the latter having been found, not extend such confidence, to any one, colored black by charcoal. fault on this question. There is much that is clouded and obscure, as well as end of a stick; continue to warm it in till by experiment, to come away in the dung and last of all to the one in question .-tural world. But I maintain that they of the animal cousuming it, while the men, or matters soluble in water, in the vege. the leather is well saturated with it, and He is an adventurer from abroad, a notorconfused, connected with the subject. are not calculated for this particular reg-Science has been seldom consulted on the particularly the bottoms of the soles and table substances exposed to fermentation, so ious libeller of our institutions, and ion. My objections are that they fatten occasion, and speculation and theory have h els. It should always be applied when his presence in the Executive mansion is * "The mode of determining the nutritive in proportion, all other circumstances being power of grasses by the quantity of matter equal, will the process be more rapid." Ibid. p. too easily and arrive at a heavy weight been con'ounded with the sound rationale the boots or shoes are new, and then lay a dishonor to the President, and a disgrace too early. With the exception of a few they contain soluble in water, is sufficiently ac. 257. of practical detail. The problem seems them by to season some time before wea- to the country, to say nothing of the conjockey pigs, raised about the house, we curate for all the purposes of agricultural in-§ " Mucilaginous, gelatinous, saccharine,