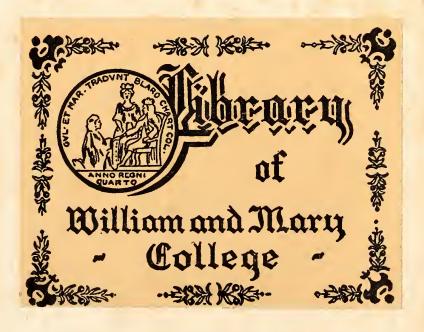
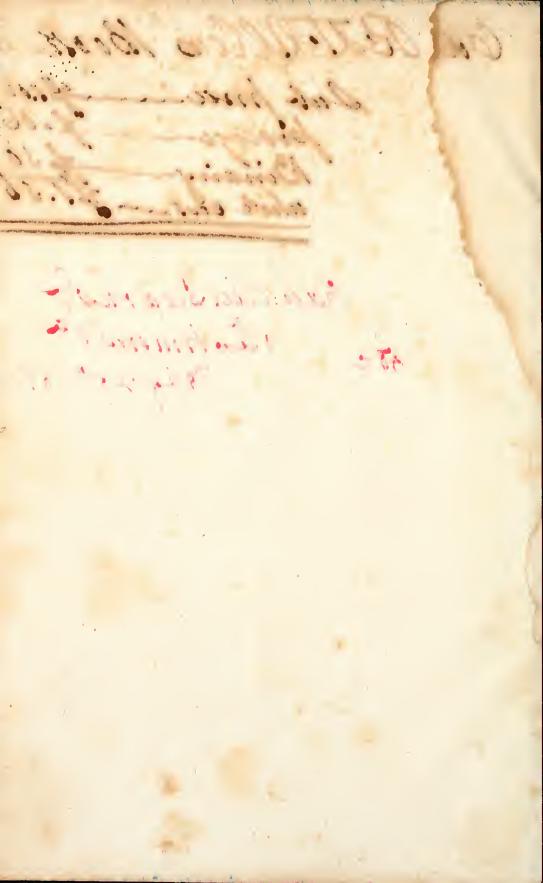
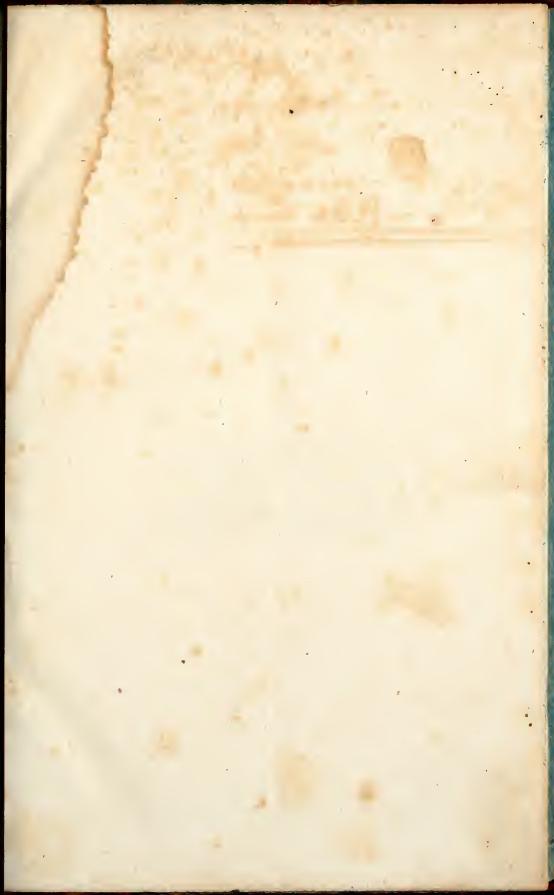


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SOUTHERN PLANTER,

A MONTHLY PERIODICAL,

DEVOTED TO

AGRICULTURE, HORTICULTURE AND THE HOUSEHOLD ARTS.





FRANK: G. RUFFIN, EDITOR AND PROPRIETOR.

RICHMOND:

PRINTED AND PUBLISHED BY P. D. BERNARD, SOUTH TWELFTH STREET. 1855.

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SOUTHERN PLANTER.

Devoted to Agriculture, Horticulture, and the Household Aris.

Agriculture is the nursing mother of the Arts .- | Tillage and Pasturage are the two breasts of the

State.-Sully.

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P. D. BERNARD, PUBLISHER.

Vol. XV.

RICHMOND, JANUARY, 1855.

No. 1.

For the Southern Planter.

ON THE CULTIVATION AND MANAGEMENT OF TOBACCO.

BY THOMAS D. EDMUNDS.

This crop in our section of Virginia is the source from whence we derive most of our ready money. I cannot eoneeive why it is that we do not more frequently hear from our brother planters in relation to it, unless, indeed, they ascribe the impoverished condition of Virginia to its cultivation, and think that on that account it ought to be expunged from the record of farming productions. Be this as it may, it does not appear that in our present circumstances we can very well afford to dispense with it. With most of us a large proportion of our land is in a poor and exhausted condition, while we have generally a laboring force capable of cultivating a much greater breadth in the ordinary grain crops, than with our limited means of improvement can be cultivated profitably. We are obliged, therefore, to devote the better portion of our land to the tobacco crop from its requiring more labor, and making better profit on that labor than other crops. Otherwise we should have to incur an amount of debt not reconcilable with prudence for the means of enriching our soil, or to adopt the disagreeable alternative of selling off a portion of our labors in order to adjust their number to the richer portion of our lands that would yield a profitable return for their cultivation in farm crops. But it is not every one who cultivates it that succeeds in making it profitable. There is no other article which admits of such a wide diversity of price and quality, and which so well repays extra labor and skill in the assortment and management of it. For instance, a difference of two dollars per hundred (a very common one) in the average price of a crop, resulting in favor of the best manager, all other things being equal, will show how much the aggregate profit of production is dependant upon the skilful and judicious application of labor in the management of the crop, and if we suppose a general attention to this department of the business and a consequent improvement, to the same extent, in the market value of the whole erop of the State, a simple process of arithmetic will demonstrate that the gain to the tobacco producing portion of the State would be more than the result, while the other failing to observe these

management and want of judgment in the selection and preparation of land, for plant-beds, planting and cultivation of the crop, &c. If we take these into the aeeount, and again suppose a general improvement in the quantity produced such as would result from universal good management and judieious application of labor and skill we should have another addition to the aggregate profit of eultivation even larger than the one above supposed. Since then the necessity for the cultivation of this crop in our circumstances is so obvious it becomes a matter of the greatest importance that a system of cultivation and management, upon which so much depends, should be adopted that shall yield the most profitable returns from the land and labor employed in the production of it. With the view, therefore, of eliciting information I venture to offer a few suggestions, hoping, in return, to draw from my brother farmers such instruction as will enable us all so to improve our practice as to allow the highest rate of production and maximum prices for our crops.

1st. As to the raising of plants. Is there not room for improvement here? How does it happen that so many fail to raise plants? It is true, that the depredations of the fly are often so destructive as to produce a failure, but there are other eauses of failure the remedy for which is in our own hands. Among the most prominent of these is the too limited space generally allotted to the production of plants and the want of due care in the lo-cation, burning and drainage of the ground, by the negleet of which the seed-beds are often so eold as to be uneongenial to the growth of the plant, whilst from that very condition they are particularly inviting to the ravages of the fly. The advantage to be derived from a certainty of planting in due season and to the desired extent, will fully justify the expense of preparing ample grounds, well drained, (some time before burning,) well burnt, deeply stirred, finely prepared, and thickly covered with brush. It is also important that in laying on the brush, the but ends should rest on the laps. A southern or eastern exposure should be selected for the beds, and, if praeticable, protected on the north and west by some kind of growth. Now let us compare the product of two crops. One by the proper observance of the above suggestions, is planted in good season, with plants of good size and vigorous growth, and a remunerating erop is one million one hundred and thirty thousand dol- suggestions, saffers from the evils of deficiency of lars. This, too, without adverting to the difference plants, or the backwardness of their growth, so that in the quantity produced by the inequalities of late planting is unavoidable and often the reduction

of the crop from what it might have been under difficult to pass along the rows to worm and succor other circumstances is from one-third to one-half. it without breaking the leaves. Some might object It will at once be seen what a loss is avoided by a proper attention to the due preparation of grounds for the rearing of plants, and what a difference occurs in the money value of the two crops. One we will suppose makes twelve thousand pounds from fifty thousand hills, of a quality to command ten dollars per hundred, which is twelve hundred dollars; the other at two-thirds or one-half a crop, which, if it were of a quality to command the same price, a thing very improbable, would be only nine hundred or six hundred dollars, as the case might be. Yet there has been no remission of labor in favor of him who produced the short crop, for the land required the same cultivation as if there had not been a vacant hill in the field. He could not, therefore, remunerate his loss by a diversion of labor to any other more profitable employment.

2d. We do not properly regard the advantages to be derived from manuring well, either with strong sufficiently to balance the cost of all the extra labor concentrated manures, such as may be made by of worming, succoring, cutting and housing the composting the weak productions of the farm-pen additional leaves. As the tobacco will be larger with Peruvian and Mexican guano, or by the use of strong, well rotted manure from the stables and the barns without risk of damaging, it should, as hog-pens. The reason for the use of finely decomposed manure for tobacco is that it has only four months in which to ripen (a short period) during the dryest and hottest season of the year, consequently the manure ought to be in a state to minister to the rapid growth of the plant, for if it be too coarse it will keep the land open and thirsty, and thus check the growth, injure the quality and curtail the quantity of the crop. It has been found with us that with the use of coarse, weak manures, it requires six or seven plants to make a pound, and that the average production per acre is not more than six or seven hundred weight, while with well rotted, strong manure, four plants will make a pound or one thousand pounds to the acre, the difference in favor of the latter, calculating the product of each mode of manuring, at ten dollars per hundred, is thirty! dollars per acre. Extend this ten acres, and it will be found to produce the enormous sum of thirty thousand dollars. Away, then, with the system of half-way manuring, and adopt the alternative one which produces such results as this. What if we suppose the cost of such preparation and manuring as we recommend to be thirty dollars per acre? Are there not, then, left seventy dollars for profit?

3d. But, to obtain such a result the land should be well prepared for the young and tender plant, for it can no more thrive on land badly prepared than it can feed on coarse, unrotted manure.

After having prepared the land and made the hills, set out the plants, placing the long-legged ones deeper than the rest, and if the ground should be wet, some precaution is necessary to guard against pressing the ground too hard around the stalks. Serious injury is done from it; the ground bakes around the stalks, and if dry weather follow, it eauses indentures on the stalks and so checks the growth that it rarely recovers from it. I am inclined to think the plants should not vary too much in depth from the one occupied in the patch. The cultivation should vary according to the land; is too apparent. Many will confess that they have the distance should be fully three and a half feet extension of the leaves and a free circulation of Virginia by not attending to this department of the zair, for even at that distance, if manured with crop may be easily estimated by extending the calstrong, and finely decomposed manure, it will be culation of the difference between a high and low

to growing it so large, urging the coarseness as an objection. If they were certain to be remunerated by greater prices then it might be good policy to grow it fine. If not certain, then they are losing by it. Without certainty of securing a price sufficient to make up the loss sustained from the difference of weight, the true policy would obviously be to aim at the greatest amount from an acre which could be raised. The objection to growing it too coarse may be measurably remedied by topping high, say from eighteen leaves down to six, without decreasing the weight, always taking eare to pull off the plant-leaves. The topping should be regulated according to the time it has to stand Tobacco will ripen, with the ordinary seasons, in about six weeks after topping. High topping gives a finer texture, and from some experiments, I am induced to believe the weight is increased than the ordinary topping and cannot be hung in a preventive, be cut in two pieces and split, by which means you may get clear of all the dirt, except the lower part of the stalks. May not high topping be a preventive of the spot? If a redundancy of sap and hot weather is the cause, it seems to me that the greater the number of leaves the less sap to the leaf, and consequently the less liability to spot. But to lay aside all philosophy about it, and come to practical observation. Without intending to assert anything positively in reference to this part of the subject, I will merely say that the high topping, so far as my observation goes, has not spotted as badly as the low, whether it did not, from that cause alone, I will not undertake to say, but should this be the observation of many other farmers, it might strengthen the evidence. believe that the spot is regarded as one of the greatest evils incident to the tobacco crop. Concalculation to one hundred farmers, each cultivating vinced of this myself, I have thrown out these farmer-like notions in hopes that it may bring out further light on the subject.

4th. The working of tobacco ought to commence as early as a stand can be had, in order to give the plants a broad growth. Very frequently it is permitted to stand too long after it is planted, and consequently assumes a narrow growth, which cannot be materially changed afterwards by any kind of working. The working should cease early, in order that it may begin to ripen. It is a loss of time to work it after it has had enough to mature it. I have seen it worked frequently, when the tobacco would have come to maturity much better without

5th. Curing may be performed in various ways to suit the particular quality of tobacco. This branch of the subject should be studied and well understood. Nothing more is needed to prove it than simply to compare the sales of two planters who have grown tobacco with equal success, and upon similar lands, the one doubling the other in price, as is frequently the case. How can this difference be accounted for in any other way? The fact grown as good tobacco as others, and yet make apart, in order that it should have scope for the lower sales. How much is lost to the planters of

price to the whole crop of the State. Take, for instance, the difference between five dollars and ten, which is very common, extend the calculation again to one bundred planters, making ten thousand pounds of tobacco each, and we have the enormous snm of fifty thousand dollars. It is very important that it should be permitted to stand out, if the season will admit of it, until it is fully matured, as, like an apple or peach, it is sweetest and best when properly ripe. It is very difficult to describe ripe tobacco; hence some say when you think it ready for the knife let it stand out one or two weeks. Tobacco ripens differently according to the land it is grown on. On fresh lands it will ripen yellow or dapple; on lands inclined to be springy, such as black-jack, it will ripen more uniformly yellow and the leaves will generally be thin and silky; on light lot land it will generally ripen yellow; on red, stiff lands it will ripen of a green color; it will become thick and brittle, and when pressed between the fingers will crack; it will also have changed when ripe, as the plants naturally change from green to yellow; it is evident that they must part with that substance which gives it that green color. What it is I shall not stop to inquire into, nor is it material. Probably it may contain some acid peculiar to its kind, which, as the ripening process goes on, is evaporated or changed into saccharine matter. Tobacco for manufacturing purposes should be exposed to the air on scaffolds, and if ripe and sun-cured it will have that sweet aromatic flavor so peculiar to good tobacco. The cutting should be completed by going over twice, if possible. After cutting it should be carried to the scaffolds, and hung about eight plants to the stick and closed on the scaffolds for the purpose of sweating, by which process the green color is expelled and the tobacco becomes yellow, which is far preferable. I bave never seen any good manufacturing tobacco of a green color. After hanging on the scaffolds sufficiently long to yellow, but not too long, to sour, it should either be thinned or removed to the barn. If suffered to remain on the scaffolds longer, care should be taken when it begins to brown in spots to have it removed to the barn before it is caught in rain, and then thinly hung six or eight inches apart, which is very important to prevent moulding, as it will do when the stems and leaves touch. After having attended to the various parts necessary to grow good tobacco we may yet be disappointed. It must, in the sixth place, be neatly managed.

I venture to give my plan hoping that it may induce others, more experienced than myself, to relate their manner of managing, for it is very certain that my prices range low, in comparison with

many others.

The order for stripping and tying should be pliant. My cutters pull off the ground leaves, of course; they are my best judges of tobacco. They, also, assort it by making three kinds, throwing the best to select hands to tie up. They are to refuse any that does not class with the best, if by accident any should be found there. The second quality is tbrown over to the more inferior hands. The same thing is required of them. In this way all assort. patch, Enquirer, Examiner and Soutbern Planter. After it is stripped I then hang up in the top of the barn each class to itself until the last of March ral Societies, or other voluntary associations, to aid or first of April, and then after the tobacco has in effecting agricultural surveys of their respective dried I select soft, warm weather to strike down counties, I obtained, either by my particular refor prizing. During the prizing, the hands are cautioned against putting any inferior bundle with the fers, the promised aid of the following gentlemen,

For the Southern Planter.

REPORT OF THE AGRICULTURAL COMMIS-SIONER.

To the Executive Committee of the Virginia State Agricultural Society.

It is my duty to report my proceedings as Agricultural Commissioner under your appointment, which may be done very concisely, with the aid of reference to annexed and longer papers, connected with the service in question.

The duties required of the Commissioner, and also of the assistants whom you authorized him to appoint, were stated as follows, in your proceed-

ings of March, 1854:

"To visit such counties, agricultural districts, or particular localities, as may be deemed by the Commissioner most suitable to aid and to be aided by his services for the Society; to gather, (either directly, or by and through any farmers or others aiding his inquiries,) useful agricultural information; to encourage and induce the establishment of County Agricultural Societies, auxiliary to the State Society, and formed and working upon a proper and uniform general plan; to hold conversational discussions with such Societies or with other meetings of farmers, and to address such meetings in furtherance of his duties on any snbjects designed to promote agricultural instruction or improvement; to endeavor to obtain agricultural reports of particular counties, or to collect facts and materials for future reports; to solicit and obtain new members and donations for the State Society; and to report to the Society, through the Executive Committee, in general, whatever he may have done, and especially and particularly the useful agricultural facts and instruction, not generally understood or practised, which he may bave collected, or received from other persons."

Soon after my appointment, I published through some of the newspapers the annexed notice, marked A, and, soon after, the one marked B; and next a plan or general form of constitution (C) for a county Agricultural Society, or Farmers' Club, to serve as convenient suggestions and ground-work for any new establishment of either kind of associa-

tion.

Believing that an important service to agricultural improvement could be effected by even the partial and limited execution of one or more agricultural surveys of countics, or smaller sections of Virginia, I prepared an extensive scheme of proper subjects or beadings, as suggestions for the frame-work of any such survey and report, which scheme was reported to the next meeting of the Executive Committee, approved and ordered to be published. [D] This was done, and, as was also the case with all other publications made by me, under your authority and general directions, no expense on this score has been caused to the Society. For such printing of all my different papers, I bave been indebted especially to the liberality and public spirit of the several publishers of the Richmond Dis-

quests, or by their own voluntary and welcome ofgood. In this way it is again assorted while prizing, as assistant Commissioners, viz. Thos. L. Preston

of Smythe county, B. Johnson Barbour of Orange, P. St. George Cocke of Powhatan, Richard Irby of Nottoway, John R. Edmunds of Halifax, Willoughby Cattle," by Dr. William S. Morton of Cumberland. Newton of Westmoreland, and Professor Charles Stuart of Mecklenburg. These assistants were invested, (under your previous resolution and authority,) within their respective counties or other named limits, with all the powers and duties of the Chief Commissioner. That they have done no more, and especially in regard to the chief object of obtaining county surveys, may be sufficiently accounted for in the universal deficiency of aid from any County Agricultural Societies, or other associated individuals offering and giving their combined labors of investigation for the object in view. The only reports thus obtained, or now in progress, are from Richard Irby, Esq. of the county of Nottoway, and Willoughby Newton of Westmoreland, and are the praiseworthy, but necessarily imperfect labors of these two unaided individuals. These reports, not yet completed, will hereafter be ap-

pended and marked R and S.

My journeys and visits to different County Agricultural Societies, and Farmers' Clubs, and to neighborhoods, where either have been established subsequently, were confined to such as specially invited my presence and aid. A greater number of like invitations had to be declined, because of my want of time, or the want of travelling facilities to remote places. I have attended meetings of Agricultural Societies, or Farmers' Clubs, or otherwise more full and promiseuous public meetings, in Prince George, Gloucester, Nottoway, Amelia, Powhatan, Prince Edward, and Cumberland; and with each, either joined in conversational discussions, or otherwise, and at more length, offered verbally my opinions and views of the matters of debate, or delivered addresses suitable to the occasions. A digested report of one of the most regular of these discussions, (of the Powhatan Farmers' Club,) I had prepared and published, to serve as a sort of working model for such action-which report is annexed, [E.] My services of this kind have been incidentally extended to other places, and even into North Carolina, and perhaps not ineffectually, both for my gathering information, and conveying some useful instruction. It would be impossible to determine, and improper for me to estimate, how far this action of mine may be useful, either immediately or remotely.

In the course of this business, and my recent intercourse with practical observant and reliable farmers, I have gathered and noted many matters of useful information, and mostly for instruction in practice, and each of which, if alone, would have been deemed by most persons, (though very incorrectly,) of too little importance to be reported for publication. Such is far from my opinion, as to any useful facts, or of instruction in the most trivial matters. I have written and afterwards published these "Minutes of Agricultural Facts and Observations," to the number of 90, at successive times, and which are here embodied and marked F. This collection and publication have been made, not only for the intrinsic and practical value of the matters thus presented, but also to show, by example, to every reader, how much of useful information and instruction might be afforded to all, if every one would communicate to the State Society even but one such small matter of personal expericnee or observation in practical agriculture.

There are also annexed three other papers (severally marked G, H, I,) which were mostly pre- paid for or provided by myself.

2d, "On Hillside Terraces," by Gen. John H. Cocke of Fluvanna; and 3d, by F. N. Watkins, Esq. of Prince Edward, a carefully prepared and valuable report of the population, statistics and condition of a body of emancipated negroes; and also, of like statistics of others remaining as slaves in the same neighborhood. These pieces have been very lately received, and are still in manuscript, as well as other agricultural communications, sent voluntarily by their writers to the Commissioner, (and marked K, L, M and N.) For, though the papers of the Commissioner, and all other communications to the State Society, approved by the sub-committee of publication, are authorized by the Executive Committee to be published, these and some other much older papers have necessarily remained unpublished for the want of present space in the Southern Planter, and the absence of any proper organ of the Society for publishing promptly all its transactions. On account of this condition of things, your Commissioner, and, also the sub-committee of publication, in regard to other communications, have had to be indebted, for access to the agricultural public, almost exclusively to the courtesy, or the voluntary offers and gratuitous action of sundry different newspapers, whose publishers have se-lected, and of course, at their own choice and convenience, such of the communications and other papers as the respective editors thought proper to admit and send out as suitable to their readers.

In regard to one duty and authority committed to my charge, almost nothing has been done, or attempted. This was the soliciting and obtaining subscriptions of new members, and donations, to the State Agricultural Society. At the very outset of my operations, it was found that the authorizing resolutions of the Executive Committee, in this respect, were misconstrued and misrepresented, and aspersions cast on the committee, and on me as its agent. Therefore, I was not willing to occupy ground which could be so grossly misunderstood and misrepresented. Subsequently, I have in no manner whatever exercised this part of the prescribed duties. And when, as thus, not asking any thing for the pecuniary aid of the Society, nor even alluding to it, it is not strange that almost nothing has been tendered or received. The gross amount of the few subscriptions and donations which have been made through me, has been paid over to the Treasurer, (as stated in the accompanying paper marked 0,) without any deduction, or any charge otherwise made for my personal, travelling or any

other expenses.

It is my duty to acknowledge, with thanks, that my travelling expenses, during this service, have been much lessened, and my labors as Commissioner facilitated, by the liberality of the officers of the following companies, viz: The Richmond and Danville, the South-Side, the Richmond, Fredericksburg and Potomac, and the Central Rail Road Companies-and the Rappahannock (Old Dominion) Steamboat Company. These companies voluntarily offered to me free tickets for my conveyance during my term of service—and also the Virginia and Tennessee Rail Road Company, for one journey to and from Montgomery and Pulaski counties. One of these courteous offers I have had no opportunity to usc. On all other routes travelled, and in every mode, my conveyance has been much better ability could have effected in the time of my short service, (now closed by its limitation,) I think that it has served to suggest to many minds the important benefits that may be achieved by similar action, if by more and better hands. Such partial and limited services as mine, eannot do much more than merely indicate how much more might be done for the promotion of agricultural knowledge and improvement, by inducing a general system of county agricultural societies and clubs, which, whether so named or not, would necessarily be auxiliary in action to the State Agricultural Soeiety; by inciting these associations, and also numerous individuals, to contribute, from their several stocks or supplies of information, to the great common treasury for all; and to incite to, and aid in, the discussion and investigation of all doubtful and important questions. A still more important service, if to be so obtained, will be the making of correct agricultural surveys of as many counties as may be induced to undertake this aid to agrieultural progress-and which, whenever carried through, though instructive and beneficial to the whole agricultural community, will be especially so to the particular counties or districts so examined and reported upon.

EDMUND RUFFIN, Agricultural Commissioner.

Oct. 28, 1854.

For the Southern Planter.

FRUIT.

According to the census returns of 1850, Virginia was the largest tobacco growing State in the Union; in wheat the fourth, and corn the seventh. In orchard products, eleven of her sister States surpassed her. In 1850 the orchard products of Indiana were valued at \$324,000; Illinois, \$446,000; Missouri, \$514,000; Ohio, \$695,000; Maine, \$324,000; New Hampshire, \$248,000; Vermont, \$315,000; Massachusetts, \$463,000; New Jersey, \$607,000; Pennsylvania, \$723,000; New York, \$1,761,000, and Virginia only \$177,000!

Impressed with the belief that our orchards are sadly neglected, and that our own comfort, as well as our pecuniary interests would be promoted by bestowing more attention to the culture of fruit, I design offering a few remarks upon the subject, and especially in reference to apples. The value of good fruit, as an article of food, is almost universally acknowledged, and argument upon such a topic would be deemed superfluous. The young and the old-the bond and the free-the ignorant and the eulightened—admire and appreciate fine peaches, apples, &c. The neglect of fruit eulture in Virginia has not resulted from any indifference to fruit, but is attributable to other canses. Our orehard products are inconsiderable, because the farmers and planters of the State (with a few honorable exceptions) have had their time and thoughts almost wholly engrossed with the cultivation of corn, wheat, oats, tobacco, &c., and the raising of stock. Had they devoted more labor to their orchards every agriculturist would have raised fruit enough for his family and some for sale. We may not be able to rival the farmers of Delaware and New Jersey in raising peaches, but the landholders of Eastern Virginia would probably find it profitable to raise peaches for market. Fine apples can

As little as I may have done, or as little as even be raised in every county throughout the Commostueh better ability could have effected in the time wealth. The apples produced in Albemarle, Nelson, think that it has served to suggest to many minds to important benefits that may be achieved by milar action, if by more and better hands. Such artial and limited services as mine, cannot do such more than merely indicate how much more

While the improvement of land and the cultivation of the usual crops demand, and should receive our attention, our orchards should not be disregarded or forgotten. The greater the variety of our products, the greater our prosperity. The annual income of the farmer ought not to be dependent upon one or two products of his soil. We cannot expect to raise good fruit by planting out trees in a careless manner and bestowing no labor subsequently: on the contrary, some attention and skill are essential in planting trees, which rarely fail to remunerate the owner for the care and industry required annually to insure their growth, maturity and preservation. The amount of labor is small in proportion to the reward obtained, and without labor a erop of no kind can be secured. If it be urged that apple trees do not bear fully every year, it must be remembered, that we do not always make a full crop of eorn, wheat, &e., notwithstanding all of our care and exertions. Mr. R. Pell, of Ulster county, New York, says that he has for some years been experimenting upon the apple tree, "having an orchard of 20,000 Newtown pippin trees. It has been my study to assist nature so as to enable the trees to bear every year. If supplied with the proper sustenance, apple trees will bear every year. Three years ago I scraped all the rough bark off a portion of my trees in April and washed the trunks and limbs within reach with soft soap, trimmed out all the branches that crossed each other, early in June, and painted the wounded part with white lead, to keep out the moisture; then split open the bark by running a sharp pointed knife from the ground to the first set of limbs, in the latter part of the same month, which prevents the tree from becoming bark bound, and gives the inner wood an opportunity of expanding. In July I put one peck of oyster-shell lime around each tree, and left it piled about the trench until November, when I dug the lime in thoroughly. The following year I collected from those trees 1700 barrels of fruit; some of which was sold in New York for \$4, and the balance in London at \$9 per barrel. Strange as it may appear, they are literally bending to the ground with the finest fruit I ever saw.

The other trees in my orchard, not treated as above are barren, next year being their bearing year." Will not the farmers of Virginia profit by Mr. Pell's example? The farmers of our State should not content themselves with endeavoring to raise fruit enough for their own families, but they should go further and produce fruit in such abundance as to supply the demand in every city, town and village in the Commonwealth. The pippins of New York. &c., should be superseded in our own cities by the pippins of Virginia. That apples can be profitably raised in Virginia for market has been fully demonstrated. Mr. W---- M---, an intelligent and wealthy farmer residing in Nelson county, near to no rail road, and eighteen miles distant from the James River Canal, has sold apples to the amount of \$1000 net per annum, besides making large crops of wheat, corn, &c. Heretofore many farmers have

because of the want of access to good markets. This reason can no longer be urged as an excuse for neglect. Rail roads are now penetrating various portions of the State and affording facilities for the safe and speedy transportation of all agricultural productions. By our rail roads and the James River Canal fruit can now be promptly forwarded to our cities and towns to supply their wants. Those owning land along and contiguous to our several rail roads, the James River Canal and our navigable rivers, should arouse from their apathy upon this subject, and go to work immediately. Nothing can be gained by delay. Many thousands of fruit trees should be bought and planted in Virginia this fall, and for several succeeding years. At present, the supply of fruit on most farms is inadequate for home consumption. This is particularly true throughout the tobacco growing counties. No one need apprehend any material reduction in the price of good fruit for many years to come. The increasing population of our cities and towns will give a hearty welcome to all the good fruit which is likely to be raised in the State for the next century. Do the farmers of Virginia doubt whether they would be remunerated should they attempt to raise apples for market? Instead of anticipating failure, let us see what the farmers of other States have done, and then consider whether their example does not afford encouragement. The following are extracts from the letters of Northern farmers, and communicated to the Commissioner of the Patent Office. Mr. Smith, of Maine, remarks in 1851, "Apples are the only fruit cultivated to any extent. Thirty years ago, apples were a rare article, but now, by the industry of our farmers, lots are annually shipped to the West Indies and other places." Mr. Guptill, of Maine, observes, "There is but one opinion among those who understand any thing about the matter, and that is, that nothing pertaining to the farm a garden." pays so well as orcharding. A neighbor of mine, who has a fine orchard, has often said to me he wished that his whole farm was planted with apple trees. His farm is among the best for raising fine cattle and horses and for dairy purposes." Mr. Spear, of Vermont, states, "That some of his apple trees were grafted forty or fifty years ago: those have borne abundantly. There are orchards which yield from \$200 to \$500 to the acre. The Baldwin is our best apple for winter and spring use." Mr. Day, of Connecticut, "Many apple orchards in this vicinity, of four or five acres, yield a net profit of \$500 per annum." Mr. Copp, of the same State, "The two kinds of fruit most certain here are peaches and quinces. With me, as yet, neither have failed; and I think I can raise either, at the present high price of labor at forty cents a bushel. Howe, of New York, "The cultivation of fruit, and especially of apples, is now commanding great attention. It is estimated that from 400,000 to 500,000 bushels are sent from Wayne county; this county, (Ontario,) it is believed, exports a large amount." Mr. Van Buren, of Georgia, "The interest manifested in the cultivation of fruit is decidedly on the increase in this county. The apple crop can, most undoubtedly, be made one of the most profitable, if not more profitable than any other that can be grown here. The best keeping Northern varieties are the Esopus Spitzenburg, Newtown Pippin and will take care of themselves. On the contrary, he Northern Spy." Mr. Blue, of Missouri, "Apples are a very sure crop, and fruit culture is exciting much attention." (Vide Patent Office Report of manured, if not on the entire field, at least around

declined making exertions to produce fruit for sale | 1851.) Mr. French of New Hampshire, "Mr. Robinson planted his orchard fifty-five years ago, and still enjoys the fruit of his labor. His orchard covers about two acres of land. In 1847 he refused the offer of \$600 for his apples, upon the trees, to be gathered by the purchaser. Upon careful inquiry, I am satisfied that the net income of his two acres has averaged \$300 a year for ten years past. I have charge of a small orchard in the same town, covering about half an acre. In 1847 I selected eight barrels of the apples and sold the remainder for \$100 on the trees. In 1849 I gathered fifty-five barrels, for which I realized \$125 above all expenses of care and cultivation for the year. These are small matters, compared with grand operations in wheat fields and cotton plantations; but these small matters add to the wealth of the country." (See Patent Office Report of 1849.) Mr. French, of New Hampshire, "In the present year (1852-'53) it is a fact beyond controversy, that many farmers in the county of Rockingham have received more money in exchange for their surplus product of apples than for any other article raised upon their farms. Ten years ago, he would have been a bold man who had predicted that fruit would one day become a principal source of wealth to any part of New Hampshire." The same gentleman continues, "Throughout New England we hear much complaint every spring, that fruit trees are winter-killed. Of one hundred and sixty young apple trees which had been set in my orchard, about thirty were severely injured by the winter of 1851-'52, and many more somewhat affected." A writer in the New England Farmer states that he knows "an orchard of forty Baldwin apple trees that yielded more than three hundred barrels of fruit of the best quality the past season, and about the same quantity in 1850." He says, further, "the ground about these trees has been kept in a perfectly pulverized state for half a dozen years or more, and manured like

The farmers of the Northern States pay great attention to planting out their trees properly, and subsequently sparing no exertions to ensure their growth and productiveness. Hence the farmer is amply rewarded for his industry and supervision, notwithstanding his trees are liable to be winterkilled. In accordance with the request of Mr. John S. Skinner, Mr. Allen Dodge furnished a paper on the care and cultivation of orchards in New England. The following are extracts from that communication: "The notion that a fruit tree will live and flourish, on being thrust any how into the ground and left to take care of itself, has here long been exploded. The holes in which the trees are set should be dug wide enough to admit all the roots without bending or diverting them from their natural direction, and if wider, all the better. subsoil should be removed from the bottom at least a foot deep in shallow soil, and its place supplied with good surface soil or compost. Carc should be taken to plant out the trees no deeper than they grew in the nursery. Mulching of newly transplanted trees is by all means to be recommended, as it retains in the ground sufficient moisture to carry them safely through the severe droughts that often occur in summer. When every thing is done in the matter of transplanting to insure success, the farmer must not vainly suppose that his trees

chard I ever saw was cultivated every season: it in 1845; the quantities used in each being, at was ploughed, manured and planted in beans, &c., not of an exhausting nature; and from it 1500 barrels of large merchantable apples have often been gathered in a single year. When swine will fatten without good food—when cows will yield large quantities of milk without good pastures—when prised of the present consumption there. steam engines will go without being supplied with fuel, then may we expect to see orchards without manure or cultivation growing vigorously and yielding good crops of large and fair fruit.

R. T. H.

October 20, 1854.

From the Virginia Sentinel.

THE TRADE IN GUANO.

This subject, so interesting to farmers, has also engaged the earnest attention of our government, both in its legislative and executive

departments.

During the session of Congress just coneluded, a Select Committee was raised to take eognizance of the whole matter, and to devise some plan to procure the removal of the existing restrictions upon American vessels engaged in the Guano trade, and to place that trade upon a more just and liberal basis. Committee, on the 31st of July, made a report of fifty-three pages, composed chiefly of copies of treaties and diplomatic correspondence, and prefaced by some remarks of the committeemen, and concluding with certain recommendations. We shall present to our readers an abstract of the subject, based upon a eareful exammation of said report, and upon such further facts as our own inquiries have brought to our knowledge. We shall not be deterred by the fear of being prolix; because there are few subjects in which so much interest is felt, and which are yet so little understood.

Guano, spelled Huano by the Spaniards and Peruvians, and so invariably written by Mr. J. R. Clay, our Charge des Affaires at Lima, has been in use in Peru from the to consumers? time of the Incas; but its introduction into other countries is of very recent date. It is trade: The documents published in the refound in various parts of South America and port of the committee, show the belief of our in Mexico and Africa; but the principal, and government, (in which the committee express by far the most valuable deposit is met with on their concurrence,) that the trade would be the three barren and uninhabited islands of much more cheaply conducted, and conse-Chincha, lying about eight miles west of the quently the price of guano be lower in foreign coast of Peru, to the government of which ports, if Peru were to withdraw from its transcountry they belong, as unsold public lands. portation, and content herself with selling it at a These islands are very small, but the guano fair price at the islands, to all who neight there beds are so very thick that it will be impossi- present themselves as purchasers. ble to exhaust them under a century, the quan-gument is, that governments cannot manage tity being variously estimated at from twenty questions of business details so prudently and

to fifty millions of tons.

every tree. The most thrifty and productive or- to England in 1839, and to the United States first, quite small, but steadily increasing from year to year. In 1845, only 14,450 tons were prised of the present consumption there.

We are informed that the quantity imported into this country during 1853, was 47,000 tons, and that the probable quantity of the present year will be 100,000. The committee, indeed, estimate the importations of the present year at 200,000 tons. The great advance, however, which has taken place in the price demanded, has operated to check consumption, while it has caused loud and general complaint. During last year, it was sold in large quantities at \$46 20. At the commencement of the present year the price was fixed at \$50. Now, by a circular letter of the Peruvian agent, which lies before us, bearing date May 27, 1854, it appears that "in consequence of the increased rates of freight," the price has been raised to \$60, for any quantity under five tons, with a decrease in price as the quantity increases to 200 tons, when \$55 is named as the price and That a small discount allowed for each payment.

From the beginning of the trade in guano down to the present time, the whole business, from the digging and lading of the guano, to its sale in foreign ports, has been conducted exclusively by the Peruvian Government, through its agents and eonsignees. It has not, as a simple proprietor, invited purchasers to its guano banks, but as a shipper and trader, has carried the guano to the points of consumption. In our inquiries, therefore, as to the price at which guano ought to be afforded to our farmers, two prominent elements present themselves: 1st, What is the effect of the present mode of conducting the trade? and 2d, Does the Peruvian Government, in fixing the price of guano, evince a proper degree of liberality

First, as to the mode of conducting the advantageously as interested individuals, aeting Guano became an article of regular export under the stimulus of competition, would do; and the expenditures to which the argument two years ago, the sole agency for the sale of applies in the case before us, are those for lading guano in the United States, for the term of five the ships at the islands, and the freight-charges years, we believe. So that Peru is not only, thence to foreign ports. Our government has, disinclined, but unable, and daily becoming therefore, earnestly labored, during the last more so, to change her system of conducting three administrations, including the present, to the traffic; and our advice and importunities induce Peru to change her system. Our di- on the subject, only serve to offend and annoy plomacy has, however, been entirely fruitless, her government, as the following extract from and there is, indeed, no probability of success a letter of Mr. Clay to this government, on for a long time to come. Peru has several ob- the 11th of November last, will attest: jections. She fears that in the competition which would undoubtedly ensue from the pro- ment relies entirely upon the amout produced posed change, her guano would be so adultera-by the sale of its guano, in the United States ted as to lose its reputation, and thus diminish and Great Britain, to pay the interest upon her revenue by diminishing its sales. For ex- the national debt, it is a delicate subject to ample, vessels instead of going to the islands in touch upon and on which to offer suggestions, ballast, which they would be at the expense of and I have always found it necessary to apthere discharging, would reach there partly proach it with eaution; for as the Peruvian laden with Patagonian or other inferior guano, nation is the owner of the deposites, the diploor even common carth, which they would inter-matic agent who represents to its government mix with the guano of the Chincha Islands, and the necessity of a reduction in the price at pass it all as such. Under the present arrange- which it is sold, risks being met at the threshment, Peru can keep up its credit by insuring old by the intimation that the possessor of an its purity. But another and the controlling article of trade has the undoubted right to disreason is, she is not at liberty to change her pose of it as he may think proper. system. Being greatly straitened, as stated by ing on the part of this government is, that the her minister, Senor Tirado, for funds to pay manner of disposing of the guano, and the price the debt incurred during her war of Indepen- at which it is sold, are considerations which bedence, she, in 1839, accepted advances of money long entirely and exclusively to the Peruvian from certain capitalists and merchants of Eng-land, on terms by which they undertook to in-tion with foreign powers. troduce the use of guano into Europe, and sell | Under the present system of contracting it as the agents or consignces of the Peruvian with the mercantile houses for the sale of guano, Government. These parties made an immense the government can obtain an advance of money, profit by their agency; but Senor Tirado ar- at any time it may be required, without the gues that the arrangement was also very beneficial to Peru, whose government would not adopted by other nations. This is found to be have been able to bring guano into foreign use, very convenient, as the government applies to "had it not been for the interest felt, and the the consignees for the sum it needs, the agents ability displayed, by the consignees." Their furnish the money, and render a semi-annual success at once established the reputation of account of their sales and advances to the the guano banks as a source of credit to Peru; treasury, where they are not exposed to public and capitalists have ever since eagerly met the scrutiny, as they would be in the United recurring wants of her treasury on similar States. terms. This facility of obtaining loans by granting mortgages on her guano banks, and commissions on all sales of that article, has up by both necessity and inclination to her unhappily stimulated the extravagance and corpresent mode of disposing of guano, it remains ruption of her rulers; so that her public debt to be seen with how much judgment and libeis growing larger, and the amount of the mort-rality to the consumer she has exercised her gages heavier. The debt of Peru is stated in assumed duties. This being a question of the report of the committee at fifty millions; figures, we shall at once introduce them. of which more than one-half is held by English capitalists, on terms which not only bind of our ports, is made up of several items which the guano banks, but stimulate for the employ- we shall state separately: ment of the lenders as sole agents for disposing of that article in Europe. Barreda & the islands. This, including bags for the Brothers, of Baltimore, by making advances "ground tier," Mr. Clay stated in his letter of money to Peru, acquired in like manner, dated October 20th, 1850, at \$2 per ton, with

"The fact is, that as the Peruvian Govern-

The Peruvian Government being thus shut

The cost of delivering a ton of guano in one

1st. The cost of digging and loading in at

the shore was removed. We have heard a much nished us with guano at as low figures as above. higher figure named as the price now paid by They would have avoided the charge for com-

the Peruvian Government.

to obtain at even \$30 per ton.

loaded on its arrival for delivery to custosistance in discharging eargo 60 cents. In all the Peruvian Government.

4th. The agent's commission. We understand that of Barreda's to be 61 per cent.

5th. Insurance for the sea voyage.

6th. The charge for the guano itself, independent of the cost of getting it here. is entirely arbitrary on the part of Peru, and is expressed by the residue after deducting the expenses of transportation, commission, &c., from the selling price.

Collecting these figures and applying them to the years 1853 and 1854, we have the fol-

lowing:

1.	Cost of loading in, &c	2	75	3	00
	Freight		00	25	00
	Bags and unloading, say	3	00	3	00
	Agt's com. at 6½ per cent	3	05	3	57
	Insurance risk for sea voyage.	1	20	1	50
	Price received by the Peruvian				
	Government for the guano				
	simply	16	20	18	93

\$46 20 \$55 00

in 1854 at \$25, that being the rate on which the present price of guano was based. The rate subsequently advancing to \$30 or even \$35, reduced the profit of Peru to \$13 93, or

In reviewing the various items, there does not seem to be any room for reduction on the 1st, 3d and 5th, if indeed they are not too low. The price of freight is probably somewhat above what private merchants could have got best adjust itself, and work out its natural and it at. The agent's commission is too high, proper result. Farmers after consultation with ence in the aggregate. The price which Pcru judgment, will cease to use guano when it appears to receive for the simple guano is pretty ceases to be profitable, without being coerced high, though probably not much above what thereto by government. we would be willing to consider fair. Mr. Clay in a letter dated December, 1851, esti-influence with Peru, inducing her to be content

shipping merchants, the price she appears to cal management of the trade.

a probable increase in cost as the guano near have netted, we doubt if they could have furmission, and probably effected a saving in 2d. Freight to this country: this is very freight; but the profit on the investment and fluctuating. It was once as low as \$6 to \$10. enterprise to which they would feel entitled, Mr. Clay states it in 1850, at \$12 to \$15. In would balance if it did not greatly surpass 1853, Mr. Marcy says private contracts could the savings. The commission of 61 per cent. be had at \$15; Peru however, allowed \$20. would have given place to a much higher rate, During the present year, freights have risen for interest and profit. On the whole, thereenormously, being \$25 at the time the present fore, we very much question that if Peru had price was fixed on guano; but being since hard acceded to our request and changed the mode of selling guano, whether we should not have 3d. The bags in which the guano is un- been losers in more ways than one, instead of gainers. However that may be our only hope mers-16 bags at 15 cents, \$2 40; also, as is in the good management and moderation of

After what we have stated it will readily be presumed that we do not concur in the recommendations of the committee. These recommendations are two: 1st. That our government be urged to renew its negotiations with Peru for the abolishment of the present system; which is a worse than useless effort, impossible of accomplishment, and of more than doubtful expediency if it could be accomplished. 2d. If Peru still decline our proposition, then the committee recommend a sliding seale of duties on guano, so as to admit it free if offered at a certain price, and imposing duties as the price increases, up to final prohibition when the price reaches a certain maximum. This recommendation, is, in our judgment, liable to grave objections. Why should government undertake to judge for the farmer and tell him at what price he may buy guano, and at what other price he shall not? It is the policy of our government not to decide for the people, In the above we have set down the freight questions affecting their private and personal interests; but to leave them to their own sagaeity. The public will not endure such interference. It is a singular relief too, against high prices, to increase the duty as the price increases. The user of guano, between the Peruvian Government and his own, would in such case find himself between the upper and the nether mill-stone.

Like all other business questions, this will but its reduction would not make much differ each other, or by the exercise of individual

All that our government can do is to use its mates its value at the islands at \$20 per ton. with as small a price for her guano as possible, If Peru had demanded at the islands, of and aid her if opportunity offer, in the economiprice is somewhat higher in Egland than here; dered more exhausting than the cereal grains. and the committee also inform us that "in against the price; knowing at the same time, that such price is inflicted on them by the cupidity of their own capitalists."

A word in reference to the retailing of guano by private dealers. Merchants now purchasing, receive it on the wharf at the price we have stated, \$55 per ton, with a credit of one to four months, or a correspondent discount for cash. It costs them 50 cents per ton to get it into their warehouses. Then comes insurance, storage and interest if they fail of speedy

But they buy by the long ton and sell by the short. A short ton therefore, eosts them in their warehouses, \$49 55. From this, every one can judge of the reasonableness of the price they may ask. It is now offered in this city, by several dealers at \$50 for the single ton, or \$49 75 for larger quantities.

Prior to January last, the price per long ton demanded by the Peruvian agent was \$46 20. It was then raised to \$50, based on the engagement to pay \$20 freight. On the 27th of May, as already stated, it was increased to \$55, freight having advanced to \$25. There has been no addition to the price since, although freights have advanced from \$30 to \$35 per ton.

We have laid the whole question before our readers, that they may understand how te cal-

culate and what to expect.

FLAX CULTIVATION IN THE WEST.

Passing a few days recently in Southern Ohio, and a part of Indiana adjoining, we were much gratified to see the large fields of flax which abounded in that rich agricultural region. We saw hundreds of acres devoted to this valuable object; but sorry to say, for the most part, with only half its legitimate purposes, give a finer fibre. It may have to be somethat of its seed, in view by the cultivators. What earlier pulled, or cut, and a less propor-Seed is the only object for which the mass of tion of the seed may be marketable. The culthe erop is produced. For the want of proper tivation may have to be somewhat nicer. The machinery to dress it, the lint is thrown away, and rotted in the barn-yards. Machines, however, are beginning to work their way into the ground, as with hemp; but all these increased flax-growing country, two or three being al- labors and expenses will be doubly compenready established in and about Springfield, in sated by the sale of the lint, which yields some the Mad River valley. When machines of the four hundred pounds to the acre of well dressed right kind are permanently established, we see flax, worth six to eight dollars the hundred. no reason why flax will not become a continual In Ireland the average is about two tons of

It does not appear that there is any discrimi- erop in the Western States, north of the Ohio nation in the price of guano, made by Peru River, as hemp is at the south of it. It is an against this country as compared with other excellent crop for a rotation, leaving the ground countries. On the contrary, Senor Tiralo says clean, light and free; in this particular, an exthat in consequence of greater expenses the cellent preparation for wheat, and not consi-

As now cultivated, for seed only, it is sown England the agriculturists are now protesting at the rate of one to two bushels to the acre, according to the quality of the ground—too thin for good lint. It grows high and branching, and on good land, yields twelve to fourteen bushels per acre. The cultivation is simple. A single ploughing on mellow, free soils, a dressing with the harrow, then sowing, and a brushing in of the seed, is sufficient. When the crop is matured, it is moved, or cradled, if very stout. Mowing, however, is the usual way of cutting. After drying on the ground, it is carefully bound into bundles, and the seed

whipped out by hand-beaters.

There are large fields of the white, or Canary flax in growth. It is somewhat larger than the common flax, and thought by its cultivators to give a greater yield of seed. saw specimens of stalks (or straw) just previous to blooming, which were three and a half feet long, a fair sample of the whole field. flax seed of Ohio, Indiana and Illinois, must be worth millions of dollars the current year, as every field we saw was of the finest growth, the season being moist and warm. Oil mills are frequent. The highest price, in eash, is paid to the farmers for the seed; the oil finds a ready market in the Eastern States, and thousands of tens of the cake are transported to this city for shipment to England. It sells at the mills where manufactured, according as they stand contiguous to canal and railway communication, at ten to fifteen dollars a ton. The mills have paid for seed the past two or three years, \$1 25 to \$1 50 per bushel.

When the sale and preparation of the lint shall become an important object in flax cultivation, as by the introduction of proper dressing machines, we trust it soon will be, the erop will be much more profitable. The yield of seed will be less, as it must be thicker sown to method of harvesting will be more expensive, as the crop must be pulled, or cut close to the

straw per acre, which yields about five hundred ticulturist, in your article on 'Special Manure

pounds of dressed flax.

far behind. much was said a few years since, for linen fa- ble result brics, proved a failure; for, by shortening its fibre, the desirable characteristics of the linen article was lost. That could be spun on cotton machinery, or something near like it, but flax proper, requires manipulations of its own. With a bread growth of the article among our a large number of fine healthy shoots. farmers, and efficient machines to break and dress it into marketable shape, we have little doubt that it will afford a profitable staple of a fine variety (the Andrews.) I recommended manufacture, even into many articles where one year's patience. He then said, 'What hemp is now used. For all the coarse, heavy would you do with it?' I replied, 'I would purposes, hemp, as now, must be required, its great length of fibre affording a strength that flax is unequal to; but if we cannot go into manufacture of fine linens, coarse ones, with I will spare it this year.' threads, twines, cords, and various articles, may be made in this country, of great consumption among our own people and trades, and building up for their fabrication permanent establishments, adds largely to our wealth and resources. American Agriculturist.

MANURE FOR FRUIT TREES.

We select the following prescription by A. J. Downing, from the second volume of the of the tree.

Horticulturist:

"The best compost for all fruit trees (without endeavoring to suit the wants of each particular fruit,) is a compost of peat or swamp muck, reduced, or rendered available to plants, by unleached wood ashes. The peat should, if possible, be dug and carted out in the winter, though it will answer if dug in the spring. As early in the spring as is convenient, mix thoroughly the wood ashes with the peat, in proportion of five bushels of good hard wood ashes to one wagon load of peat. Let the heap lie a week, turn it over to incorporate more thoroughly, and in two or three weeks it will be fit for use. This compost or manure contains largely lime, potash, phosphate and vegetable matter, the elements most necessary to the growth and health of fruit trees generally—and in a state ready for food for these trees."

In a subsequent number of the Horticulturist is a letter from L. Wyman, Jr. of West Cam-

bridge, in which he says:

"I have used and recommended the compost

unds of dressed flax. for Fruit Trees,' as a manure for the pear tree It is a matter of surprise that, in a country in particular. I have usually added to the where cotton and hemp have arrived, years ago, compost, say in measure, one peck of fine iron at an advanced state of improvement in their filings, or one peck and a half of crude turnmanufacture, flax, an equally valuable article, ings of iron, to each load of peat or muck, and in the extent to which it is used, should be so in that proportion for a larger or smaller quan-The flax-cotton, about which so tity; and have always noticed the most favora-

> "Two years since I applied this compost to a large pear tree which stood in a damp, loamy soil, but which had not borne any fruit of consequence for six or seven years in succession, although it grew rapidly in size, and sent out owner of the tree proposed engrafting some other kinds of scions upon the stock, it being attempt to remove it, or give it a better soil, and one more adapted to its wants.' He remarked, 'Very well, take it under your charge;

"After examining the soil very carefully, I found as before remarked, a clayey loam, quite damp, and the tree growing in a lone situation. I caused nearly all the earth to be removed from the roots of the tree, and the turf taken off in a circle seven feet in diameter, leaving the tree in the middle of a pan caused by a removal of the sod and earth. I then applied a sufficient quantity of compost to fill the hole full, the whole new soil rising a little above the body The quantity of muck used was one quarter less in this instance, as I believed the tree required not so large a quantity of muck as one would growing in a higher location, but rather more sand. I used sand. My compost was formed as follows: three parts of muck to one part of sand, and a proportionate quantity of potash water; and iron filings, one peck and a half to the load. The tall or leading shoots of the tree were shortened, the tree well scraped and trimmed, &c. The result of this application was a full crop of pears, and the tree making, the same year, a good growth of wood, every way healthy; the fruit, two barrels and one-half, grew fair and ripened well; and the tree has ever since borne a good crop, and continues to grow vigorously. This is, to my own mind, a sufficient test of the utility and value of the compost you commend in your widely extended and truly valuable work.

"Salt, as an article of manure for the plum tree, I have long known to be valuable, and have used it to a considerable extent."

The black mud of swamps and marshes, you speak of in the March number of the Hor- commonly called muck, is very extensively used as a fertilizer, by our Eastern farmers and horticulturists, with the best results. It is well known that swamps and marshes, when made horses are fond enough of it without any such sufficiently dry by draining, produce the most enormous growth of corn and other luxuriant feeders, but will not answer for crops of a tenderer growth. This has probably led to experiments with muck as a fertilizer, with valuable results.

The usual plan of using it is to haul it to the barn-yard, and mix it with the manure heap, afterward carting the whole to the fields. Those who have muck on their farms will find it valuable.

For the Southern Planter.

CLOVER.

Mr. Editor,—Be pleased to republish Mr. Ed. Ruffin's essay, published in the Planter some years ago, giving a plan of curing clover for hay. But few of the present subscribers to the Planter have read it; indeed it seems to have attracted but little attention. I have tried it several years, and can vouch for the truth of almost every word of it. I think I have made a little improvement upon it. Mr. Ruffin, if I remember aright, after turning the recently cut clover, so as barely to wilt both sides, throws into little heaps, enough to be conveniently taken by the hay-fork and earried to the little stack. I tried this plan with a part of my crop one year, and found the scoreling sun not only parelled the top of the piles, but permeated them to a very considerable depth. Since then I let one side be exposed to the sun just long enough barely to wilt it; then turn and lap the rows, and let the other side be also dried and wilted. Then at once take from the rows to the little stacks. This is not only a saving of labor but makes better hay

I am glad to perceive that Nature's time of sowing clover, and the grasses generally, is gaining ground. The usual time of sowing is the latter part of the winter and first of the spring. When seed are cheap it may be well enough to try that time. I have tried it repeatedly, but have very rarely succeeded in getting a good stand. Last spring I succeeded, notwithstanding the dry summer. I had a piece of wheat which came up very sparingly. I ran an iron-tooth drag over it, immediately followed by a sparse sowing of clover-seed. The seed were immediately followed by a pretty heavy roller. The wheat was not only uninjured, but I believe was benefited, and I have a first rate stand of clover.

Three years ago I bought some fine clover-seed at a pretty high price. It was sown the latter part of February and the first two weeks in March. It proved almost a total failure. Determined not to be foiled and thrown out of my routine, after i had cut my wheat I ran the iron-tooth drag over the wheat stubble the latter part of August or first week in September, immediately following the drag by the clover-seed, without the roller. Upon the greater part of the land I harvested quite a heavy erop of hay last summer. You may judge when I

in the manure heap, and sometimes by itself, | about eleven o'clock, earned about fourteen dollars before night. It is proper to mention, however, that forage was very scarce and selling very high.

> bribery. They never tire but always thrive upon it. Upon Mr. Ruffin's plan it will keep without salt. Don't let it sun-burn or get wet; let it have air and it will keep, if put up barely wilted. But it must be protected from extraneous moisture. That ruins it, whereas if it has air enough it will very rarely spoil by its own sap.

> There is a prevalent error, I think, in giving all of the clover to the land to enrich it. To be sure land that has been bare, without any vegetable matter turned into it, or land that is too stiff can never be injured by the green fallow, but generally it is best to cut off the clover, and you may pay off in full by stable-manure, plaster and slacked ashes.

> I had several years ago a fine lot of clover, all of it high enough to cut. But a part of the lot being rather poorer than the rest of it, I left the clover to enrich the soil; while the part that was cut clean brought forth a second crop, almost as heavy as the first, with scarcely a foul weed in it. The part not cut, instead of a second crop of clover, paid me off in broomstraw, lifeeverlasting and other pest weeds, and the next year in a crop of worms, which very materially injured the crop. To produce a good second crop, the clover ought to be reaped with a keen blade, and not bruised during the operation, for the whole energy of the roots are exhausted in striving to resuscitate the wounded stalks.

T. H. A.

Halifax C. H., Dec. 31, 1854.

ANALYSIS OF GARDEN VEGETABLES.

We recently alluded to the interesting contribution of Dr. Salisbury, to the transactions of the New York State Agricultural Society, of a paper containing analysis of various garden vegetables. As we have no room to give these analyses, wc have briefly condensed some of the conclusions arrived at by Dr. Salisbury, which afford valuable suggestions for experiments in the culture of these products.

The roots of the Vegetable Oyster, contain a large per centage of sugar, dextrine, and albumen, which accounts for their richness.—They contain about five per cent. of water more than the potato, that is about 81 per cent. for the reot, and 85 for the top. Dr. Salisbury recommends the following component parts for a special manure for this vegetable, viz: 33 parts of ashes, 10 parts common salt, 5 parts plaster.

The root of the Carrot is rich in sugar, dextrine, albumen, and starch. One ton of the roots contains 141 pounds of sugar, 30 pounds of dextrine, 41 pounds of casein, 17 pounds of albumen, 9 pounds of starch, 11 pounds of gluten, and 1-5 pound of fat. One hundred pounds of ashes, 50 pounds of common salt, and 10 pounds of plaster, will supply the inorganic matter taken by a crop from the soil; or, in other words, will form the constituent of a special manure for a soil which happens to become alike destitute of the materials assure you that one hand, without help, carned of these substances—if there should happen to be nine dollars in one day, and two hands, starting such a soil, and if this fact could be determined.

One ton of the fresh roots of the turnip beet contains 62 pounds of sugar, 20 pounds of dextrine, and 12 pounds of albumen, casein, and gluten taken together. The long blood beet contains about twice as much sugar, and about twice as much albumen, casein and gluten. The white sugar beet is less rich than the latter, but richer than the former in materials. Three hundred pounds of askes and 200 pounds of common salt, are recommended as a special manure for a crop of 20 tons.

Muskmelon and Watermelon.—Dr. Salisbuty remarks on these, "The muskmelon contains a very large per centage of phosphoric acid and soda, and considerable potash; the watermelon a large per centage of soda and potash, and is quite rich in phosphoric acid. The occurrence of these bodies in such quantity in these plants, explains to us why dead animal matter, as flesh, bones, &c., common salt, and ashes, have such marked influ-ence in promoting their growth and productive-

The Cucumber is similar in composition, but is most remarkable for the very large proportion of water it contains, being about 961 per cent. other words, a ton of cucumbers contains only 70 pounds of solid matter, the remaining 1,930 pounds being water !- Country Gentleman.

I'rom the Indiana Farmer.

MORE FACTS FOR FARMERS.

It is a fact that all domestic animals can be improved in size and value. One hundred and fifty years ago the average weight of cattle at the Smithfield Market was not over 370 pounds, and that of the sheep 28 pounds. Now the average weight of the former is over 800 pounds, and of the latter 80 pounds.

The average weight of cattle, properly termed beeves, in the New York market, is about 700 pounds, and sheep 50 pounds.

The average live weight of the heaviest drove of beeves of 100 in number ever brought to this market was 2067 pounds, weighed from dry feeding, in Illinois, last spring.

The mode of selling cattle in New York is at so much per pound for the estimated weight of meat contained in the four quarters. estimation is made upon the live weight of cattle as follows:

A drover in buying a lot of grass-fed, comlive weight there. That is, if the drove average 12 cwt. they will make 6 cwt. of meat each.

55 pounds per cwt. Good beeves at 56 or 57 pounds. Extra good, large and fat, from 58 to 62 pounds per cwt.

In the Boston market the weight is generally estimated upon "five quarters," that is, the product of meat, fat and skin. There the eattle bees. That is settled. And it is almost indis-

The root of the Beet is about nine-tenths water. are generally weighed, and the product estimated upon an average, 64 pounds per ewt.

In New York not one bullock in ten thousand goes upon the seales to determine his price to the butcher.

It is a fact that cattle of a large breed or variety are the most profitable for the grazier who feeds for beef. It is doubtful whether that will hold good with poultry. Dorking fowls are medium size, and a much esteemed variety. They have five toes.

Timber should be cut while the tree is in its most rapid season of growth, and near the close of the growing season, when the terminal bond of each limb is fully formed. Saw logs cut in winter always decay on the outside more or less if left over, while summer out logs keep sound for years. Hickory cut in winter soon suffers with "powder-post." If cut in August it will keep forever.

Posts should always be set top end down. They will last twice as long. Put six inches of broken stone in the bottom of the hole.

Locust Trues make most valuable timber. and grow quick and easy from the seed, if it is scalded with boiling water, or still better, lye, and then planted as you would beets or onions, and the plants are about as sure as those vegetables to live when transplanted.

Salt applied at the rate of four quarts to a ton of hay will aid materially in its preservation, and make it more nutritious and wholesome for stock, and is just about the amount usually fed by a good farmer to an ox while eating that quantity of hay.

Composition Roofs are cheaper than tin, better than shingles, are perfectly tight, and almost fire proof against sparks, when made as follows:

Sheet the rafter with close boarding up and down. Cover this with felting paper, laying the sheets to break joints, with one-third exposed, just as you would courses of shingles. Fasten the courses to the boards by nailing thin strips of lath, and also upon the eaves, sides and all exposed edges. The whole is now covered by the "composition," which we bemon stock in Illinois should never ealculate to lieve is just such as caulkers use, that is, boilget an estimate of over one-half here of the ing pitch. It saturates the paper and sticks the sheets altogether and to the boards. As fast as one man puts on pitch enough, another Medium beeves may be estimated at 54 or must eover it with clean gravel, dried by heating in a very hot sun, or an iron pan over the fire. Make a complete gravel surface in the hot pitch, and your roof will be very tight and durable.

putably settled that the birds never touch a either one or two ends may be added, if deworking bee. destroy them, as all *drones* should be. are beautiful birds, and should never be destroyed, because they are both ornamental and make. useful to the farmstead.

From the Ohio Cultivator.

HOME-MADE FURNITURE.

In the present pecuniary troubles, many a wife finds an unusual necessity for practising the strictest economy in household matters. Perhaps housekeeping is just to be commenced, and the great problem is, how much furniture and how many conveniences can we afford to procure? A little money must go as far as Such would, perhaps, like to be inipossible. tiated into the art of making cheap articles of furniture—both useful and ornamental. Many a neat and comfortable sofa or lounge, chair, stand, bed, book-shelves, &c. &c., have we seen, that cost its owners almost nothing.

A few boards, a little stuffing, and a few yards of shilling calico, put together with ingenuity, will give a tasteful and even elegant air to an otherwise bare and comfortless room. Most of the work we shall describe can be done by the females of the household, and we are sure will afford them more pleasure and comfort than the so-called "ornamental" worsted work, bed-quilt piecing, &c. And in almost every family there is enough mechanical ingenuity among the boys, if not among the girls,

to do the sawing and nailing. The barrel chair is a very easy and comfortable, as well as cheap and pretty seat. It can be made by taking a stout oak barrel with one end out, sawing half through the barrel at the proper height for a seat, and leaving the other half full height, rounding off the top, for the back of the chair. Stretch stout bagging across and nail it firmly on for the seat; make a cushion to rest upon this, and if the barrel is large enough to allow it, cushion the back also, by tacking on sheets of cotton batting, which costs it up. but a trifle at any of the stores, or stuffing with narrow band of the same.

the same to conceal the legs. A back and the stand; now slip this over the stand, and

They pick out the drones and sired, by nailing on boards and cushioning them These like the seat.

> A cot bedstead, many of you know how to Take four sticks about four feet long and three inches square, bore an inch hole through the middle of each, and put a round stick, six feet long, through, and pin through the ends; arrange these like the four legs of a saw horse; then to form the sides, connect the head and foot posts by nailing a rod or strip of board on to their tops; take a piece of bagging six feet by four, stretch it across and nail it firmly on to the side pieces. To strengthen this, make a narrow head board, nail on a small rod at each end, and bore holes in the side pieces at the head to receive them. By lifting this head board out, the bedstead can at any time be folded together and laid aside, if not

A convenient seat for children, or for the garden, is made like a cot bedstead, with the head board omitted. The sticks for the seat should be one foot long, those for the legs, one foot six inches long. Bind a bit of carpeting for the seat. These are so light, and so easily folded and carried about with one hand, as to be very convenient.

Hanging book shelves is another article of furniture easily made, and very convenient. For a small size, take three planed boards onefourth of an inch thick; let the largest shelf be about thirty inches long by eight wide, the other each one inch narrower and two inches shorter than the one below it. If convenient, paint, or oil and varnish them. Bore a gimlet hole in each of the four corners; take a stout cord and pass it down through one hole in each shelf, taking care that it is at the same corner of each; then pass it up through the remaining holes in the same end, making a knot in the cord under each shelf for it to rest upon. Pass a cord through the other end in the same manner, and tie the four ends of the cord together a foot and a half above the upper shelf, and hang

To make a workstand, both light and ornaany other cheap material. Now cover the en- mental, procure from a carpenter an exact octire chair with worsted stuff, glazed furniture tagon, (eight sided,) sixteen inches across, made calico, or any thing else convenient, and cover from two inch plank for the base, and another the edges with cord, gimp, braid, or even a the same size, of one inch plank, for the top. Bore an inch and a half hole in the centre of A simple lounge can be made by taking a each, into which insert a post for a standard broad, thick plank, strengthening it by nailing long enough to make the whole the height of on cross pieces underneath, and inserting four a common table, and cover the whole with short legs; add a cushion filled with straw and furniture calico. For this purpose, sew togecotton batting over it; cover the cushion with ther like a bag two breadths of the calico, each any material you wish, and add a valance of about three inches longer than the height of tack the upper end of the cloth smoothly round on to the edge of the upper plank; pass a ribbon or heavy cord round a little above or below the middle of the standard, tying the cloth back tightly; then turn the lower edge over the base plank; nail it on to the bottom, making the whole resemble an hour-glass. Put a little cotton batting on the top of the upper plank, and cover that also. About two and a half or three yards is sufficient for the whole, unless, which is quite desirable, pockets are added. If so, these should be semi-circular, plain back and full front, drawn with a cord. Tack one of these on each side of the top, and conceal the tacks with a row of braid.



THE SOUTHERN PLANTER.

RICHMOND, JANUARY, 1855.

TERMS.

ONE DOLLAR and TWENTY-FIVE CENTS per annum, which may be discharged by the payment of ONE DOLLAR only, if paid in office or sent free of postage within six months from the date of subscription. Six copies for FIVE DOLLARS; thirteen copies for Ten DOLLARS, to be paid invariably in advance.

No subscription received for a less time than one year.

Subscriptions may begin with any number.

No paper will be discontinued until all arrearages are paid, except at the option of the Publisher.

Office on Twelfth between Main and Cary steets.

ADVERTISEMENTS.

A limited number will be inserted at the following rates: For each square of ten lines, first insertion, ONE DOLLAR; each continuance, SEVENTY-FIVE CENTS. Advertisements out of the City must be accompanied with the money, to insure their insertion.

It is indispensably necessary that subscribers ordering a change should say from what to what post office they wish the alteration made. It will save time to us and lose none to them.

NOTICE.

If subscribers do not order a discontinuance of the Planter before the commencement of a new year, or volume, it will be considered as a renewal of their subscriptions, and they will be charged accordingly.

Postage on the Southern Planter, (when paid in advance,) to any part of the United States one cent and a half per quarter, or six cents per annum.

tack the upper end of the cloth smoothly round TO THE SUBSCRIBERS TO THE SOUTHERN on to the edge of the upper plank; pass a rib-

Having disposed of the "Southern Planter," it becomes my duty formally to take leave of the patrons of that journal. I have been connected with it from its commencement, fourteen years since, to the present time, as publisher or proprietor. During that period I have received many evidences of good will on the part of the subscribers to the Planter, which it becomes my duty, as it is my pleasure, thus publicly to acknowledge. I have been, from year to year, cheered on in the prosecution of the enterprise by the aid and cooperation of many patrons who felt interested in permanently establishing in this city an agricultural journal of high character. Through their generous efforts I have succeeded in making the Planter what it now is. My heartfelt thanks, therefore, are due, and are hereby cordially tendered, to them.

In disposing of the Planter to Mr. Ruffin I enjoy the satisfaction of knowing that it passes into able and competent hands. For upwards of three years, as the readers of the journal knowfull well, he has conducted it with unequalled ability and success. The past affords an earnest of the future. Under his direction and control it is destined to become, I verily believe, the ablest journal, devoted to the cause of agriculture, in the whole South. Nay, more, it will become an ornament to the profession.

May I not hope, in conclusion, that those who have for so many years illuminated the pages of the Planter by their contributions will continue their labors for the good of the cause?

P. D. BERNARD.

TO THE SUBSCRIBERS TO THE SOUTHERN PLANTER.

For the first time in my life I have made a speculation. I have become the sole proprietor of the Southern Planter.

My motive in the purchase was to put the Planter on a somewhat different footing, to have the responsibilities of the whole office upon myself, and to simplify its management and its affairs generally. I have bought it at a high price, but with the hope that the great agricultural interest, which I have for several years endeavored to serve, would, at least, bear me harmless in the venture. And I am emboldened to think it will, because in three and a half years that I have been connected with the paper, I have ruu up the number of its subscribers from some eighteen hundred, perhaps a little less, at the rate of nearly one thousand per annum. But to succeed the number must still be very considerably increased. Of more than eighty thousand farmers in the State, only about four thousand six hundred take this paper, and many more than that will be required to make the profitable invest- more praise, or preserves a politic effence, can never increasing, which similar enterprizes here languish expense of candor. for want of support.

now formeen years ago it has been struggling to be well altered, I shall change the form of the paper wake buckle and tongue meet, and has burn the somewhat and I hope, for the better. I shall print fingers of every man that touched it until of late the whole of it in the large type that is now used years when the advertisements that fill a portion for a part, and shall print the advertisements on a of its pages have saved the proprietor from further separate cover. From the large size of the type sacrifices. I certainly have made limbe or no met there may not be much more reading matter than sey by it up to this time, and perhaps have lost, if there is now, but it will be more agreeable to the I were to estimate the value of the attention it has eye. When a sufficiently increased list is had I abstracted from the business of an extensive farm.

Why then have I continued at it; and why now do I go deeper into it! Because I like it: because it affords a species of occupation and of entinement which I cannot otherwise obtain: because it keeps me busy; and, permaps, because it enable, me to do some good, at least to make at effort in that way and to think that I am not living altogether at vair and became I will not believe that the farmers of Virginia, with all their recent and r orions awakening to the importance of their calling will continue to remain andifferent to even the feet less attempt to represent them : v a press.

Of the mode in which I shall conduct the paper I have not much to hay. The past, and it has been, must be an camest of the future. I would be discourte our or the efforts in other confict to Pay that I shall made the Pin ser the hert paper in the - time I have a very endear and make dequal barrow or and I have to the to a con-I am rewreath himsold my land 's Albemane is be rearest - ha it iny office on - . - in form and the form it is my power to come mysecitor of a more wilherry to the here, of one I have the effect will be such it the improvement of the paper. But in one respect I doubt i cannot be much imprived. The high character of the communications general " marris " czunci vieli be "urna sed.

One practice I had consider the urt one of ny friends think 't indicarece et al. proper e mamone I hall in entithe interest which I have an rumed, presumpty may be marc a ? instruct. I had not go out of my way a areack or expose things that I d in a approve or faund my opinion in the face of the public-that were arrogance and i ly. Lut humry unfer ing to as much fallibility as any one can charge to my account, I shall say what I think when occasion demand it free y and gladly according the came privilege to all who may choose to reply through the same medium. I think that none t and therefore most like y to please my superflors in the long our A paper which because at the scripti-

ment. When particular papers is New York can be very instructive on new things or on moosed claim their thirty thousand subscribers. It is no points. And even were it more profitable, which wonder that all fourish, and that their number is I doubt. I have no ambition to make money as the

After this (January, issue which was nearly Ever since Mr. Chas. T. Bout started the Planter, made up when I made my bargain, and could not shall enlarge the paper, or diminish the size of the type so us to give more reading matter. There will be no advertisements in the paper itself, except a few that may not be able to get in the cover and they will be transferred to an enlarged cover whenever the accumulation shall justify it. In shall be issued promptly on the first of every month, and be malled commencing on that day as rapidly ar posritle

> There are large arrears due the office, and it would disembarrass me very much if they were paid as they ought to be and easily can be for they are due in small sums from the most responsible men in the State I earnestly entreat all persons indebted to the office to make immediate parment. The several thousand dollars now due make a serious aggregate, in these hard times to me but a mere trifle to they e am als whom it is distributed.

In parting with Mr Densand who has been so long connected with the Planter, it affords me plea-. ure to tostify to his worth, and it state that during my are chatron with him not a ripple has disturbed

To the numerous friends who have o kindly abused the lever of the and who have kept the Planter steadly increasing in its number of sub-cribers. and it those not less useful and efficient, who have furnished to its pages so large an amount of invaluable contributions, it is hardly necessary to say that I am deeply grateful and solicit a continuation of their favore is both kinds. My acknowledgments are equally due to the great body of my "noser bers whose good nature has indulged my mary faults

To have displeased no one would argue that I had not done my duty to the public. But I am free to declare to the small number whom I have ar gered-and I know there are some-that what I have done to each, and will do again upon occasion has been in the way of public duty. I have no feeling of personal hostility, so far as I can recollect, to any one who has ever subscribed to the Party and Late to the state of the state of

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From the Boston Traveller.

INTERESTING FROM THE CHINCHA ISLANDS.

We have been favored with the perusal of a private letter from the Chincha Islands, dated the 19th February, which contains some items of public interest, which we are permitted to copy.

There were at the islands, at the date of the letter, one hundred and sixty vessels of various sizes, from 300 to 2200 tons burthen averaging probably 800 tons. The estimated average time for loading with guano was forty

The rate of exportation of guano from the islands is said to be one thousand tons a day, which it was thought would not exhaust the heap in ten years. A geological survey, made by order of the United States government, had estimated that eight years would exhaust the supply. We extract from the letter as follows:

There are three of the Chincha Islands, lying in a line, N. and S., the passages between them being less than half a mile. The wind salts. is always S. and E. and it is never known to The North island is the largest It is nearly circular, and about one-third of a mile in diameter, and about one hundred feet high. Some parts of the coast are steep, high cliffs, and others sandy and rocky coves of gradual ascent from the shore. The heap of guano island, where it is one hundred feet in depth. Fancy a large, old-fashioned loaf of brown bread, laid on a table but little larger than the base of the loaf, and you can pretty nearly see the pile of guano on either island. The laborers commence digging and proceed along the top of the rock in the direction of the centre, from all parts of the island; and, therefore, in their progress, have shown the guano in the very steep side from the base rock, eighty feet high; and from every part it appears to be the same substance—hard and close.

"Every spoonful is dug with a pick, and when loosened is as dry as powder, and of course dusty. If left in a pile but a brief period, it failure thereof is rewarded with the lash from again becomes hard, and must again be loosened with a pick; from the base to the top are lash, and the hopelessness of their condition, found feathers, eggs, and stones of all sizes, that every week there are more or less suicides. some weighing even two or three tons. I have In the month of November, I have heard, fifty taken out many perfect feathers, far from the of the boldest of them joined hands and jumped top; and near and upon the surface have seen from the precipice into the sea. In December

the decomposition of sea animals, of which but I have not learned how many. I was a there are multitudes now, and they are pre- few days since on the South island, and there sumed to have been far more numerous in an- saw two of the most miserable starved creacient days, before the white man came to de- tures. They had swam across on their wheel-

stroy. Sea lions of a large size—a ton weight seals and endless quantities of sea fowls have been the inhabitants of these islands for myriads of years, and the islands have been the burial places of these animals; for if wounded they crawl up to the top—so say the knowing Birds and bird lime go to increase the pile. Guano is really decomposed animal matter, but whether this was the way so vast a pile accumulated, or whether the islands were thrown up from the bottom of the sea with the deposit upon them, you must judge for yourself.

"The second island is similar in size and pile to the one described. The third one has not been touched yet. It is much smaller, but well loaded. Guano secretes large quantities of ammonia, and confined as it is in a ship's hold a man cannot stay more than five or ten minutes at a time among it. Besides large lumps of pure ammonia, are daily found apparently decomposed bones, eggs, &c., and among other items a man in a perfect state of preservation—the real ammonia, strong as volatile

"Now do you wish to know how all those ships are loaded, and a thousand tons per day dug and sent from the island? Well there are about 100 convicts from Peru, and about 300 Chinamen from the Celestial Empire. former are in the right place; the latter were passengers that engaged passage in an English continues to deepen to the highest point of the ship for California, and engaged before they left their own country to labor after their arrival for a limited time to pay their passage (\$80.) Instead of being landed at California, the ship brought them direct to this place and the captain sold them for three and six years, according to the men, to work out their passage; and here they are slaves for life.

"They are allowed four dollars per month for their food, and one-eighth of a dollar per day for their labor, with a pile of guano before them which will last the next ten years; and long before it is exhausted the majority of them will be dead. Each man is compelled to bring to the shoot five tons of guano per day. a strong negro; and such is their horror of the what appeared to be bone and flesh decomposed. there were twenty-three suicides; this is from "It is thought the pile now called guano, is one in authority; in January quite a number,

barrows, and fully determined to die. I could not feed them, and my heart ached for them; so after we reached the ship a boat was despatched with bread and water for their relief. Perhaps this availed nothing, for they must cither return, or some one must feed them daily.

"The Chinese, it is said, are educated to believe in the transmigration of souls, and therefore think if they leave this life they shall return to their own country. It is thought that faith induces them to leave their wheelbarrows

and commit suicide.

"Thus by diminishing the number of laborers, the exports are reduced, and to meet the demand of so many ships, two English ships (one of which has been here before) are soon expected with other loads of passengers from the Chinese dominions, deceived, most probably, with the idea of going to California to dig gold. In fact, it is said, the first batch of Celestials had dug many days before they were undeceived.

"The process of loading the ships is either by placing the ship close to a steep, rocky cliff, and have the guano run through a large canvas hose from the top of the hill into the ship's Five hundred tons per day are put on board by this method; and as there is seldom much wind or swell, a ship can lie very well. Boats that go under smaller shoots, are sometimes loaded and return to the ship, where it is taken on board in tubs made of barrels."

From the American Cotton Planter. RUMINATION.

The following article from the Genesee Farmer more clearly and briefly describes the process of rumination than anything we have seen on the subject. It also explains what we said sometime since in an article in the Journal on "Economy of Feeding," viz: the importance of fully incorporating all the grain that is fed to stock in the form of fine meal with the eoarse It has been found by those who have fed crushed corn and cob in a dry state, as many are in the habit of doing, that its effect is injurious to the intestines of the animal, bestate. We do not believe that animals can be fed on meal, bran, or "brewers' grains and distillers' wash" alone for a long time and remain in a healthy condition. All the important organs adapted to the process of rumination remain inactive and dormant, and must stomach into the third. All these parts, the animal, but not so when these substances are incorporated in the coarse food:

"Rumination is the remastication of food by a ruminant animal. Liquid or attenuated food passes at once into the third and fourth stomachs, and is not remasticated; but all other food, particularly such as consists of comparatively dry and solid vegetable matter, descends into the rumen, is there slowly macerated, passes by little and little into the second stomach, and is there separated by compression into a liquid and a solid portion, the liquid to pass on to the third and the fourth stomachs and the solid to be returned in pellets up the gullet for such remastication as shall reduce it to a pulp, and fit it to pass direct, by re-deglutition, into the third and fourth stomachs. The remastication is effected while the animal lies at ease—and constitutes what is popularly called 'chewing the cud' and takes place only upon matter which nothing short of an operose process can reduce to perfect pulpiness or liquidity; and the regorging which attends it differs widely from the belching or vomiting of a uon-ruminant animal, and is regularly conducted by a specially constituted organism as deglutition or absorption or secretion or any other ordinary act or function of the animal system.

"In order to understand the process of rumination, we must advert to the manner in which the four stomachs communicate with the gullet and with one another. The gullet is an extensive membranous tube, much more complicated in ruminating quadrupeds than in man, the muscles which surround it being strong, and consisting of two rows of fibres, crossing one another, and running spirally in opposite directions; and these muscles, by their contractions, so powerfully force the morsel of food begun to be swallowed onwards into the inlet of the stomachs, that the process of deglution once commenced caunot be stopped, even by the will of the animal. The gullet enters just where the first, second and third stomachs approach one another, and discharges itself almost equally into the first and second. Connected with it is another organ which may be termed the cud-duct. This is sometimes a groove and sometimes a tube, according to its action; and runs from the termination of the gullet to the third stomach, with the first stosides the great loss sustained by feeding in that much on the left, and the second on the right, and discharges itself almost equally into the second and the third. It has thick prominent margins, which can be brought to meet so as to form a complete canal, and thus constitute a continuation of the gullet across the second finally result in disease and the death of the gullet, the cud-duct, the first, the second and the third stomachs, not only communicate with one another, but all communicate by a common

point, the point where the gullet terminates, mination and digestion, and the milk will be where the cud-duct commences, and toward scanty; but if they be fed on aliment which which the three stomachs open or end. Now abounds in liquid, such as mangel-wurzel or in the process of returning the macerated food brewers' grains and distillers' wash as in Holfor remastication, it is the cud-duct, together land, they will ruminate much less; a quantity with the shut termination of the gullet ap- of saliva will be wanted for chewing the cud, proached to the shut inlet of the manyplies, and a large proportion will go to the producwhich forms the pellets. To understand the tion of milk, though this will be thinner, and mechanism by which these are moulded, let it not so rich in cream as the milk produced from be marked, first that the cud-duct extends from drier food. It is questionable whether cows the termination of the gullet to the inlet of the fed wholly on distillers' wash would ruminate manyplies; secondly, that when it contracts, it at all any more than calves, which, so long as approaches one or the other of these apertures; they suck, never ruminate. thirdly, that of these two apertures, the termination of the gullet is habitually shut, and the ference to the giving of medicines, and is stated inlet of the manyplies, naturally straight, can as follows by Clater: 'We may, to a great exbe so narrowed as almost to close by its own tent, send medicine into what stomach we please. contraction; and fourthly, that when the first We may give it in a ball, and it will fall into two stomachs, compressed by the abdominal the pauneh, and thence go the round of all the muscles and the midriff, contract, they push in stomachs; or it may be exhibited in a fluid eonsequence the materials which they contain form, and gently poured down, and the greater both against the two apertures opposite to each part of it passed at once into the third and other, and against the cud-duct opposite the fourth stomachs. That which is meant to have two stomachs. The two stomachs, in this man- a speedy action on the constitution or the disner, in proportion as they contract, push the ease should be given in a fluid form. materials contained in them between the mar- also which is particularly disagreeable should gins of the cud-duet, and the cud-duct also be thus given, otherwise it will enter the paunch, contracting, causes the two apertures of the and be returned again in the process of rumigullet and of the manyplies to approach; while nation, and disgust the animal, and perhaps the two apertures being closed and brought cause rumination to cease at once. This would nearly together, seize upon a portion of the always be a dangerous thing, for the food realiment, and detach it in the form of a pellet. tained in the paunch would soon begin to fer-The aperture of the gullet is closed during the ment, and become a new source of irritation act of detaching the pellet, because at that and disease.' instant the midriff is contracted, and it only opens when the midriff is relaxed; and the ference to the sweating of the domestic rumiaperture of the manyplies is clesed, because at nants, particularly sheep. Sweat is a producthat instant the manyplies, as well as other tion of the fluid portion of the blood, or arises stomachs, is contracted. From these circum- from the same source as the salivary secretion stances, it is obvious that the pellet must be employed in rumination; and hence the flow detached, as it could not otherwise be seized of it is more to be dreaded in runinating aniby the two approaching apertures—that the mals than in others, inasmuch as it greatly dipellet must be round, for this is the ferm of minishes the supply of fluid which ought to be the cavity formed by the parts of the organ employed in rumination. If sheep are sweatemployed in the process-and that the pellet ing while they ruminate there will be two evaeud-duct, when contracted in the act of forming will be dried, and the blood exhausted and all-pervading beneficence and skill which every where shine out in the works of the Creator!

"One important practical lesson suggested by the nature of rumination is the proper feeding of cows, in order to produce the greatest quantity of milk. If they are fed on very dry food, such as hay, the greater portion of fluids in the blood will be spent in the process of ru- No sweet without sweat, no grains without pains.

"Another important practical lesson has re-

"A third important practical lesson has remust be about an inch in diameter, for the enations of fluid at the same time, the body the pellet, is about an inch in length. How beau heated by the loss, while thirst will supervene, tiful a contrivance—how exquisitely adapted to so as to make them drink till they are incomthe structure and wants of the animal—and moded and their temperament altered. Sweathow minutely and highly illustrative of the ing is also hurtful to sheep in other respects, for the fibres of their wool are thereby deprived of a part of their nourishment, which the sweat carries out of their body, while the heat which occasions the sweat, causes the wool to grow too rapidly to acquire sufficient consistence."

17,600,000

20,114,285

From the Mark Lane Express. WHEAT TRADE.

The estimated extra breadth sown in the United Kingdom last season is one-tenth above the average, equal to 1,600,000 quarters. On above the average of from one-sixth to oneeighth. Taking the mean of one-seventh, our account of the present crop and stock stands as doubtful. follows:

Quarters. 16,000,000 Average produce. Excess in breadth one-tenth, 1,600,000

Excess of produce one-seventh. 2,514,285

Quarters,

If to this we add one million and a half of foreign grain, we have an aggregate of 21,614,285 quarters to meet the consumption of the year, which is estimated at 21,000,000. There will still, however, be the usual stock of the country-now minus 5,000,000 quarters-to be made up. For it would be monstrous to suppose that in a country like this, there should be no stock on hand to fall back upon in an emergency. We shall, therefore, require an importation this year of from four to five million quarters, to place us in the average condition we have hitherto found ourselves in, in regard to the stock of wheat.

We shall next take a look round, and seek how this supply is to be obtained. As we have just stated, any ealeulations for the future, founded upon the experience of the past, are not to be depended on. With present appearances, it is not at all likely that we shall obtain events cause a blockade of the Baltic ports. the usual supply from the Black Sea ports, even if the Danube is free to navigation, and the rica; and if the accounts of the maize crop— Czar to his subjects from supplying the allies, probable that not only was a large portion of crop is represented to be excellent.

the land left unsown last autumn, but that much of the growing erop has been destroyed by military operations, and in furnishing the Russian cavalry with green food; for no economic eonsiderations would, by any possibility, enter the mind of a Russian officer. We shall, the other hand, there is an excess of produce therefore, have much less grain than usual from the Danubiau and other Turkish Black Sea ports, if we get any at all, which is very

> From the Mediterranean ports, with the exception of Egypt and Syria, we shall obtain but little wheat. France and Italy are, for the present, closed against exportation by prohibitory laws. The former country, and the United Kingdom, has exhausted her stocks of old native wheat, and is compelled to fall at once upon the new erop, which, however good, will not be enough to meet the consumption, and provide the usual reserve stock. It is probable that France and England will continue, as last year, to trade mutually with each other in wheat, according as the market fluctuates. If the price falls here below that in France, the latter will be buyers in our market, and vice versa.

> With regard to the Baltic and northern eountries, with the exception of Russia, the stocks of old wheat are exhausted. Not only had the merchants the stimulus of high prices to induce them to ship to the utmost, but the insecurity and the uncertainty as to what course the war would take, induced them to export to the last quarter to England and France, as the only countries where it would both be safe, and obtain remunerating prices. The crops in those eountries are good, and we shall probably get an average quantity from thence, if no untoward

We now come to the United States of Ame-Crimea and Odessa were in the possession of and wheat, also, in some parts of the Union—the allies—as I hope will soon be the case. be correct, their prices will probably be too The consumption and waste of such large ar high this season to allow of their shipping more maments, and the disarrangement of commerce at any rate than the usual quantity this season. and agriculture under the iron rule of war, to It is stated in the American papers, that the say nothing of the probable prohibition of the corn erop (maize) is at least one-fourth deficient, which amounts to 125,000,000 bushels, or or conducting commerce with them from the 15,625,000 quarters. And, with regard to interior—all these circumstances lead me to wheat, in some of the Western States, where think that the quantity of wheat we shall ob-the largest quantity is raised, the crop is very tain from Southern Russia this season will be deficient—in many cases amounting to a total small. And with respect to the Danubian Prin-cipalities, they have been for twelve months the it is impossible to say; but, taking the defiseat of war, and are still occupied with vast eiency in both crops into account, it will matearmaments. Under the Russian coercive domi- rially affect the export of wheat from the States, nation, neither agriculture nor commerce could and also, probably, draw off a considerable porbe conducted with any regularity; and it is tion of the supplies from Canada, where the

plies for the next year as follows:

				Quarters.
The northern port	s,	-	-	1,750,000
Mediterranean,	-	-	-	500,000
Black Sea ports,	-	-	-	300,000
United States,	-	-	-	800,000
Canada,	-	-	-	400,000
,				. 1

3,750,000

This may probably be made up to four millions from the quarters that do not come under the sections above given; but I cannot, by any possibility, sec where we can increase that quantity, unless "a sudden transition from war to peace" should restore our northern trade to its accustomed channels. However, with this quantity added to the abundant crop, we shall be able to reinstate the country in nearly the same condition, as to stock, that it has usually held; and we need not fear that prices will materially fluctuate throughout the season.

APPLE MOLASSES.

We are requested to republish the following article, which originated in the Republican Journal. Although but a little more than a year since it appeared in the columns of the Farmer, it will bear repeating, and is very seasonable, at this time.

The juice of the sweet apple, it is probably well known to most of our readers, makes an excellent molasses. The article, when properly made, is pure, possessing a vinous or rather brandied flavor, which renders it greatly superior for mince, apple, or tart pies, to the best West India molasses. is made from sour apples, a small quantity of imported molasses may be added to modify the flavor. Beet made with it, possesses a brisk and highly vapid flavor, which common molasses does not impart. Four and a half barrels of good cider will make one barrel of molasses, costing in ordinary seasons, about \$5 50. One who has had considerable experience in manufacturing this article,

"I make little cider; my apples are worth more fed to my hogs, than for cider; but I make a practice of selecting my sweet apples, those that furnish the richest, heaviest liquor, and make a cheese from them, using the cider thus obtained, for making apple or quince preserves, boiling down for molasses, and keeping two or three barrels for drink or ultimate conversion into vinegar. When new from the press, and before fermentation commences, that which I intend for boiling is brought to the house, and boiled in brass, to the proper consistence; taking care not to burn it, as that gives the molasses a disagreeable flavor, and taking off all the soum that rises during the process. The quantity to be boiled, or the number of barrels required to make one of molasses, will depend greatly on the kind of apples used, and the richness of the new liquor. Four, or four and a half are generally sufficient, but when care is not used in making the selection of apples, five barrels

Under these circumstances, I estimate sup-|cold, as thick as the best West India. When boiled sufficiently, it should be turned into vessels to cool, and from thence to a new sweet barrel, put into a cool cellar, where it will keep without trouble, and be ready at all times.'

But the making of molasses is not the only important use to which sweet apples may be applied as connected with culinary affairs. Apple butter, as it is made by the Germans in Pennsylvania, is a most excellent article. The modus operandi pursued by those who are most expert in the manu-

facture of it, is the following:-

Having selected six bushels of fine ripe fruit, and divested them of the rind, quarter and carefully core them. Boil down two barrels of sweet cider to one, and deposit the apples in the boiled down cider. Keep up a brisk fire under the kettles, and stir the contents continually to prevent burning. The boiling and stirring must continue uninterruptedly till the whole mass is reduced to a pap about the consistency of thick hasty-pudding. It is then allowed to cool, and may afterwards be deposited in jars for future use. thoroughly made, it will be nearly as solid as first rate butter, and will keep many years; indeed, it improves by age. The Pennsylvanians make it only once in seven years. It is so much superior to the ordinary apple sauce, that no one who has fairly tested its value will afterwards, we are confident, willingly consent to be without it. The flavor is superior, and there is a neatness and solidity about it greatly superior to that of the ordinary apple sauce. Its price in the market is also higher.

ANALYSES OF SOILS.

We are not a little gratified to observe sentiments advanced by us on this subject some time ago, finding an echo in a journal conducted with so much talent as the "Michigan Farmer." Thus

speaks the Farmer:

"During the past ten years there has arisen a class of men, who at all times were willing to make all the processes of agriculture depend upon the announcements which were to come from the laboratory of the chemist. A few samples of the soil of a field were carefully put in paper, or were bottled up in vials and labelled, and dispatched to a medium, who advertised to pronounce, after a careful analysis, just what any field might need to make it grow any crop, in any given quantity. According to the notions which they promulgated, it was just as easy to grow a crop of wheat on a field of dry sand, as it was on the best limestone soil, that ever lay "out of doors;" and so with all other crops, these mediums would prescribe as quickly for a soil, as a spirit rapper for a diseased human being. In fact the processes were very much alike. The analyst had a little vial of earth sent him from a distance, the spirit rapper had a lock of the hair of the patient to manipulate. As a matter of course, the one judged about as cor-rectly of the condition of the field, as the other did of the state of the human body. But both had the faculty of clothing the results of their examinations in a semi-classic jargon, which had all the ring of true science, and the dupes who consulted them were for the most part well satisfied, until at the last the manifest utter worthlessness of the may be necessary, but let it take more or less, prescriptions, raised some doubt as to the value of enough must be used to make the molasses, when the opinion of the analyst, which became with the

word analysis would raise a smile of contempt on tities with the utmost accuracy and nicety desirathe faces of those who had paid their five and ten dollars, no matter how appropriately it might be true light. His attempts at this must ever re-

It is far from our purpose to cast a slur upon the services which science has rendered to agricultue; but there was a time when it was actually believed that science was to do every thing, and practical ability nothing. That time is past for the present, but there remains a few amongst us who would seem still to have a cringing desire to make us believe that the knowledge of the "elements" was of far more importance to know how to handle a plough, or to swing or sharpen a scythe. Even the most scientific of the professors themselves have been carried away with the idea that the time had come when they could compel the earth to yield at their mere bidding, and with no labor. Liebig, the most celebrated of them, invested a great part of his means in the manufacture of a compound that was to prove more fertilizing than guano, and which would be of general application. The great chemist found out his mistake, after dear bought experience; his compound proving totally worthless in its application to the growth of crops. S. W. Johnson, an editorial correspondent of the Country Gentleman, who is at present pursuing a course of chemical instruction at Munich, in Germany, in a recent letter, gives strong testi-mony as to the uncertainty and imperfection of the results obtained from the best and most carefully conducted analyses, even when performed by men of the utmost science. He says: "Boussingault long ago pronounced them more curious than useful." Stockhardt, (one of the most eminent of the German school of agricultural chemists,) in his lectures, published in 1853, on agricultural chemistry, declares that "to estimate the productive quality of a soil by chemical analysis, is at this time impossible, and will indeed, remain impossible."

The same writer mentions an instance in which three samples, of 14 different soils were selected, and distributed to several chemists to analyze. The chemists selected were such men as Liebig, Rose, and others of a like reputation. Out of the 42 analyses, no two were alike in all particulars. Of course the analyses of each soil approximated in a greater or less degree, but in some of the soils very important elements were found by some of the chemists, while other chemists reported their analysis without being able to find the same The same writer adds:

"The addition of a ton of guano to an acre of soil, would make no perceptible difference in the results of an analysis! But the farmer knows that a soil now giving a moderate crop, will often yield a very heavy one, by adding to it a few hundred weight of guano, and be totally spoiled for several years, on addition of a ton. Yet chemical analysis would give him results practically identical in all these cases.

"Practice has taught that exhausted land often recovers its fertility wonderfully, by laying a season or two in fallow. Yet in this case nothing is added to the soil. On the contrary, its organic matter must waste by the ordinary process of decay. The renewal of fertility, depends mcrely upon a change in the condition of the soil. Ingredients before insoluble, become soluble and avail-

lapse of time, certainties so fixed, that the very it be admitted that the chemist can estimate quanmain vague and unsatisfactory; for the soil is the subject of perpetual changes, which he can only imperfectly understand, much less imitate.

So much depends upon the physical condition of the soil, that analysis alone, can form no safe basis of judgment. Nothing but lichens and mosses will grow on a block of granite. Reduce the granite to pieces as large as a pin's head, and it forms a poor soil. But grind it to a fine, impalpable dust, and wheat sown in it will grow and mature, if it have suitable weather. Yet granite is granite, "though it be brayed in a mortar." contains the needful inorganic elements, but they are slowly soluble in water. Increase the surface on which water may exercise its solvent action a million times, as is done by pulverization, and proportionately increase the quantity of matter, which the granite may yield to water and to plants in a given time. By simple pulverization, we may convert a mountain of rock into a field, in which the tender grains will almost reach perfection."

We have been induced to quote these remarks relative to the analysis of soils, because we observe from several communications, which have reached us lately, there appears to be a great stress laid upon the benefits to be derived from a knowledge of the analysis of the soils of particular fields, as if there were some peculiar applications which would aid them, far more than good cultivation and the manure bed. There may be something that would prove advantageous for a short time, as a temporary stimulant, but at last the farmer who tries them will find that he will have to return to the first principles of deep ploughing and thorough cultivation, and that stimulants exhaust in proportion to their power, of forcing an unnatural yield.

THE CATTLE TRADE.

New York City is the great cattle market of the Union, all the cattle-raising States looking to that region as the regulator. During the present year there have been sold at the markets in the City of New York 155,796 beeves, 41,085 cows and calves, and 470,617 sheep and lambs. Their aggregate value is put down by the Courier at \$11,287,034, which is an increase of \$2,072,089 over sales of last year. The material increase in the value is ascribed to the large quantities of stock sent to California from the Western States across the plains, which otherwise would have found markets on the Atlantic. The excess of 1854 over the previous year is not considered at all in proportion to the increase of the city wants .- Richmond Whig.

PRINCE WILLIAM AGRICULTURAL SOCIETY.

A meeting of farmers in Prince William county, Virginia, was held on the 13th ult. at Gainesville. for the purpose of forming an agricultural society. Charles H. Hunton was elected President; Bazil Brawner, Fred. Foote and John B. Dogan, Vice Presidents; Dr. J. B. Grayson, W. W. Monroe, W. able; but analysis, at present, is by no means able L. Carter and Edmund L. Berkley, Sccretaries; and to follow and estimate these changes. In fact, if Dr. C. B. Stuart, Treasurer.—Richmond Enquirer.

FERTILIZERS ON GRASS.

What is the cheapest manure for moving lands, is a question not easily answered. Probably, no one fertilizer is the best under all circumstances. We tried an experiment last spring, which has settled this question for our own premises. The lot selected for the trial was an old mowing field, laid down a dozen years ago, or more, and cutting not far from a ton to the acre. Four plots of ground, of four square rods each, adjoining each other, were measured off, staked and numbered.

May 3d, in a rain, we sowed 15 lbs, of DeBurg's super-phosphate of lime upon number one. On No. 2 we sowed 15 lbs. of Mapes' improved superphosphate of lime. On No. 3 we put 15 lbs. of Peruvian guano, that had been moistened and mixed with charcoal cinders for a fortnight. On No. 4 we put nothing, in order to show the natural product

of the land.

A week after the application the plot manured with the guano could be distinguished, at a distance, by its greater luxuriance, and darker green. The effect of the super-phosphate was not very manifest. About the 1st of July, the grass upon the several plots was carefully cut, dried and weighed. No. 1 gave 84 pounds; No. 2, 70 pounds; No. 3, 104 pounds; and No. 4, 59 pounds. The following tabular arrangement gives a better comparative view:

Manure. Nothing	plication May 3d.	Cutting.	Area. 1-40 acre.	Lbs.
Mapes' Improved Sup. Lim		44	64	70
DeBurg's Supe Phos. Lime		0 6	۲.	84
Peruvian Guar	10 :	(:	"	104

It will be seen that the manures were applied in about twice the quantity usually recommended, or at the rate of 600 lbs. to the aerc. The return for Mapes' super-phosphate of lime was 11 lbs. of hay for fifteen pounds of the manure; DcBurg's gave 25 pounds; and the guano 45 pounds.—Am. Ag.

Poultry dung, if saved properly, will be found nearly as good, if not quito as good, as guano. The evacuations should be gathered weekly, put away in a barrel, and sprinkled over with pulverized charcoal or plaster.

A bargain is said to be a ludicrous transaction in which each party thinks he has cheated the other.

PAYMENTS TO THE SOUTHERN PLANTER.

To the 1st of January, 1855.

All persons who have made payments early enough to be entered, and whose names do not appear in the following receipt list, are requested to give immediate notice of the omission, in order that the correction may be made in the next issue:

Dr. L. Roane to January 1855	84	00
William G. Maury to January 1856	1	00
Bowling Clark to November 1855	1	00
John A. Payne to November 1855	1	00
John Andrews to November 1855	1	00
Charles II. Lynch to January 1856	1	00
Dr. George S. Newman to November 1855	1	00

Dr. T. Posno to January 1955

John H. Barksdale, Jr. to January 1855	\$4 00
Col. Francis Yates to July 1855	2 00
Joseph Starry to July 1855	2 00
William M. Tate to April 1856	1 00
William Frazier to July 1855 John Churchman to November 1855	1 00
Thomas O. Soyers to January 1856	1 00 1 00
William G. Daniel to January 1855	1 00
Capt. H. E. Scott to January 1856	2 00
John N. Griffin to June 1855	2 00
L. H. Taliaferro to June 1855 William L. Bannill to January 1856	1 00
William L. Pannill to January 1856 Col. Braxton Davenport to January 1855	1 00
James H. Fitzgerald to July 1855	5.50
Christopher T. Lutherlin to November 1855	1 00
James M. Dillon to January 1856	1 00
J. Haw Jones to January 1855	1 00
Peter Hanger to January 1855 John C. Laird to January 1856	$\frac{1}{1} \frac{00}{50}$
Capt. William Walden to January 1855	1 00
J. R. Motley to July 1854	1 00
S. A. Buckner to January 1855	1 00
J. B. Lightfoot to January 1855	1 00
Mrs. Susan K. Powell to July 1855	1 00
Ro. W. Bragg to January 1855	$\frac{1}{3} \frac{00}{00}$
A. J. J. Brown to January 1855 James M. Fitzgerald to January 1856	3 00
John T. Childrey to January 1855	1 09
T. C. Proctor to October 1855	2 00
Frank Crocker to December 1854	1 00
J. P. Machin to July 1855	1 00
Sharpe Carter to January 1856 Miss Charlotte Carver to January 1855	1 00
Dr. W. T. Walker to January 1856	3 00
Col. Samuel Drake to January 1856	1 00
William D. Clopton to January 1855	1 00
John Hunter to November 1855	1 00
Dr. D. C. Winfree to May 1855	1 00
Lewis Mabry to October 1855 Col. W. C. Knight to January 1856	3 00
Hugh Chandler to May 1855	1 00
Capt. Ro. G. Haile to July 1855	3 00
William J. D. Bell to October 1855	1 00
F. W. Brown to June 1855	1 00
A. G. Waro to November 1855 James Howison to January 1855	1 00
F. J. Jeffress to November 1855	1 00
Nathaniel S. Goffegon to January 1855	2 00
J. H. Evans to November 1855	1 00
Col. Joseph Martin to July 1855	1 00
Estate of Wm. Greenhow to January 1851	6 00
William S. Dance to January 1856 H. Carpenter to July 1855	1 00
Ebenezer McGregor to January 1856	1 00
Addison Dunlap to January 1853	2 00
James H. Jameson to June 1855	1 00
Capt. F. M. Wiley to April 1854	1 00
Capt. James Lindsay to January 1855 James M. Ranson to September 1855	1 00
John Strong to November 1855	1 00
John Wootton to January 1854	1 00
P. H. Hurt to July 1855	1 00
Col. T. C. Dennis to September 1856	1 00
A. B. Carter to September 1855	1 00
A. W. Hanserd to September 1855 James M. Hite to January 1856	1 00
R. Skipwith to January 1855	6 00
John G. Norvell to September 1855	2 00
Dr. W. W. Anderson to January 1855	6 00
Daniel O. Bass to January 1856	1 00
Albert Kennedy to July 1855 Henry T. Watkins to October 1855	1 00
Col. W. Cardwell to January 1855	1 00
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Felix B. Welton to January 1856
J. E. Smith to July 1855
W. G. Friend to January 1856
William Murray to January 1856
William Murray to January 1856 G. A. Chaffin to July 1855
G. A. Chainn to July 1000
C. T. Baylor to January 1855
David Lee to January 1856
John H. Lee to January 1856
Thomas Clarke to January 1855
Henry M. Vaughan to April 1855
Thomas Leigh to January 1856
Elijah D. Hundley to April 1856
Joseph K. Anderson to January 1855
Post Master at Gill's Creek to January 1856
George Bouton to July 1855
Benjamin Hoover to July 1855
George H. Toler to April 1855
Dr. George Fitzgerald to January 1856
Col. J. Grigg to January 1855
Dr. George W. Ruffin to January 1856
Samuel Hancock to January 1855
L. H. Knight to July 1855
Dr. S. Davis to April 1856
P. C. L. Burwell to January 1855
Judge R. C. L. Moncurc to November 1855
John M. Conway to January 1856
Major Samuel L. Brook to January 1856
Peter D. G. Hedgman to January 1856
John Schooler to January 1856
Peter D. Lowry to January 1855
Dr. S. Fletcher to March 1855 Rebert H. Vest to Japany 1855
Robert H. Vest to January 1855
G. M. Dettor to January 1856
William R. Briggs to September 1855 William F. Barner to January 1856
William F. Barner to January 1856
N. Horsely to January 1856
John G. Guthrie to July 1855
James M. Carter to July 1855
William E. Clopton to November 1855
W. J. Bingham to January 1856
R. N. W. Keeling to January 1855
T. L. Burgess to January 1856
William F. Gunn to January 1856
M. H. Effinger to June 1855
William S. Davis to December 1855
William H. Clore to January 1856
Peter C. Lauck to January 1856
T. W. Chapman to January 1856
J. C. Clements to May 1855
J. D. Howle to May 1855
Jordan Harris to January 1856
S. R. Irving to January 1856
Thomas Massia to January 1855
Thomas Massie to January 1855 Charles Massie to January 1856
John Parker to January 1856
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Miss E. C. Christian to January 1856
B. Davis to January 1856
G. W. Southall to January 1855
R. N. Mcad to January 1856 C. B. Williams to January 1856
G. B. Williams to January 1856
Dr. Williams to January 1856
R. Campbell to January 1856
S. F. Patterson to January 1856
G. H. Timberlake to January 1856
W. H. Waller to January 1856
Dr. J. R. Taylor to January 1856
Dr. J. R. Taylor, Jr., to January 1856
D. B. Hancock to January 1856
W. Massie to January 1856
Dr. E. P. Williams to January 1856
J. Lipscomb to January 1856
J. R. C. Chambliss to January 1856
W. Old to January 1855
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\$1	00	S. L. Pidgeon to January 1856	\$1	60
1	00	Judge Field to January 1856	1	00
1	00	E. H. Flournoy to January 1856	1	00
$\overline{2}$	00	A. T. Caperton to January 1856	1	00
1	00			

TKIN'S SELF-RAKING REAPER AND MOWER A Three seasons' use of this ingenious, beautiful, and yet simple Machine, furnish convincing proof of practical worth. Three hundred, scattered into 19 different States the past season, mostly in inexperienced hands, and nearly all giving good satisfaction, cutting from 50 to 600 acres, proves it not only strong and serviceable, but also simple and easily managed. It saves not only the hard work of raking, but lays the grain in such good order as to save at least another hand in binding.

It is warranted to be a good, durable Self-Raking Reaper, and I have also succeeded in attaching a mowing bar, so that I also warrant it as a Mower.

Price at Chicago, of Reapers, \$170; of Mowing Bar, \$30. Discount on the Reaper \$15, and on Mowing Bar \$5, for cash in advance, or on delivery. Price of Mower \$120.

Pamphlets, giving all the objections and difficulties, as well as commendations, sent free, on post-paid applications. Agents, suitably qualified, wanted in all sections where J. S. WRIGHT there are none.

"Prairie Farmer" Warehouse, Chicago, Dec., 1854.

ja5t

REAT REDUCTION IN PRICES OF HATS AND BOOTS.-J. H. ANTHONY'S FASHIONABLE HAT STORE, Columbian Hotel Corner. The cheapest place in the city of Richmond to buy hats and boots is at the above store, where every article sold may be relied on as represented. By this means he has gained a good run of custom, and his customers feel satisfied. Below is a list of his prices, which will be strictly adhered to:

Best quality moleskin, 3 00 Second quality moleskin, 2.50 Best quality silk, Second quality silk, 2 00 Fine Calfskin Sewed Boots only three dollars and fifty cents.

Also, Caps, Shoes and Umbrellas.

J. H. Anthony has made an arrangement with one of the best makers in the city of Philadelphia to supply him with a handsome and substantial calfskin sewed Boot, which he will sell at the unprecedented low price of three dollars and fifty cents. The attention of gentlemen is respectfully solicited, as they are the best and cheapest boots that have ever been offered for sale in this city. He intends to keep but the one kind, and sell them at one price.

mar '54-1f

FARM, STOCK, CROPS, NEGROES, &C., FOR SALE.—The subscribers are authorized to sell a valuable farm in the county of Buckingham, 51 miles from the Court House, containing upwards of 800 acres, having on it every necessary improvement, consisting of a handsome two story dwelling just completed, barn with threshing machine, stables, corn crib, carriage and ice houses, blacksmith's shop, &c., with a kitchen and meat house about to be erected. It has also a fine garden and an orchard of choice fruit, embracing almost every variety grown in Virginia. It will be sold with the growing crops, (175 bushels of wheat and 100 bushels of oats have been seeded) stock, tools and implements of every description, and 16 first rate farm and house servants, one of whom is a good blacksmith.

This farm is situated in a region proverbial for health and agreeable society, 15 farms and dwellings being in view from the dwelling.

The owner desiring to remove to the South, and being unwilling to break up the relations existing among his negroes, will dispose of the whole at a great bargain.

For terms, &c., apply to

MARTIN GOLDSBOROUGH, Baltimore, or RUFFIN & AUGUST, Richmond, Va.

jun-tf

WOOL DEPOT.

Richmond, June 22, 1854.

DEAR SIR,—Having been engaged for years past in the sale of Wool, we are fully aware of the difficulties that the Wool Growers of this State have labored under to obtain for their Wool its fair market value. For this there are two causes—one is, that in each lot of Wool, indeed in each bag of Wool, there are several grades, and each purchaser has to buy some Wool that does not answer his purposes; he could not, therefore, afford to pay the full value for an article that he did not want, and which he only bought because it was not assorted. All who are familiar with the sale of tobacco, are fully aware of the loss that the planter sustains who does not assort his tobacco. It is the same case with Wool, to a considerable extent.

Another reason is, that the receipts of Wool have been light, and so scattered that it was difficult to get together a sufficient quantity to attract the attention of purchasers. We have found this operate so strongly that we have not generally attempted to make sale of small parcels of Wool, but allowed our receipts to accumulate; and we have generally obtained from three to five cents per pound more for such large parcels than could be had for small lots. The Wool interest of Virginia is now rapidly increasing, and we think is destined, in a short time, to become an extensive trade. Already there is a sufficient quantity grown, if concentrated to one point and properly graded, to overcome, to some extent, the difficulties referred to above. We think this can be best accomplished by a well conducted Wool Depot. This city appears to be the most accessible point for a majority of the Wool Growers in Virginia.

Being already in this trade, and having an extensive acquaintance with the producers as well as the manufacturers and dealers in Wool, we have determined to open such a Depot in this city, in connection with our present business. In order to conduct it in the most satisfactory manner, we have engaged the services of Mr. John Waterhouse, who

was long and favorably known as the efficient Agent of the late Woollen Factory in this city.

All the Fleece Wool sent to us and tub washed Wool, so far as it is practicable, will be graded, and each quality put together, unless the owner prefers that his Wool should be sold alone—in that event he will so direct us.

Our charges will be-

We shall always sell for cash, unless we find it to the interest of the owners to sell on time. In that event, we will charge $2\frac{1}{2}$ per cent. guarantee. We will be prepared to cash all such sales as soon as made, deducting the interest.

We hope the establishment of such a Depot will meet with your approval, and that we may be favored with your CRENSHAW & CO., Yours, most obedient, consignments.

Grocers and Commission Merchants, North Side of the Basin, Richmond, Va.

Liberal advances will be made on consignments of Wool, when required.

Genuine No. 1 Peruvian Guano always on hand, and for sale on the best terms. C. & CO.

MENERAL AGENCY AND COMMISSION BUSI-GENERAL AGENCY AND CONTROL OF THE SUBSCRIBER THREE THR many calls heretofore received, and again offers his services on reasonable terms. Now for sale many Farms in Maryryland and Virginia, Stallions, Bulls, Bucks, Boars, of improved stock; improved Fowls of all kinds; Mares, Cows, Ewes, Sows; Ewes one-half and three-fourths Cotswold; Calves at three months old, one-half Alderney; South Down Ewes with their lambs. For particulars address (post paid) the subscriber,

MARTIN GOLDSBOROUGH,

38 Holliday Street, Baltimore, Maryland.

P. S.—Answers to letters particularly desired. M. G.

A LBANY TILE WORKS, corner of Patroon and Knox streets, Albany, N. Y. Drain Tile of the following descriptions and prices suitable for land drainage, always on hand in large or small quantities of the first quality, delivered at the docks and railroad depots free of cartage:

Horse-shoe Tile. 4½ inch calibre, \$18 per 1000 feet. 15 31 do. do.

. 12 $2\frac{1}{2}$ do. do. Sole Tile or Pipe.

do.

Large Tile for drains about dwellings, yards, &c., of various sizes, \$4 and \$8 per 100 feet. Sole Tile, 4 inch calibre, for sink drains at \$4 per 100 feet. Drain your land and save your crops. Orders from a distance will receive prompt attention. A. S. BABCOCK. Albany, April 20, 1854. jun—tf

GENCY FOR THE PURCHASE AND SALE OF A IMPROVED STOCK.—Stock Cattle of all the different breeds, Sheep, Swine, Poultry, &c. will be purchased States, for which a reasonable commission will be charged.

Apply to

ARON CLEMENT, Philadelphia.

Refer to Gen. Wm. H. Richardson, Richmond, Virginia-N. B .- All letters, post-paid, will be promptly attended

ap '53-if

UPERIOR SWINE AND PREMIUM POULTRY.—
I am prepared to engage pigs by my large Byefield and superior Suffolk boars, from matchless sows of the following breeds: Byefield, Suffolk, Skinner, Essex, Chester, Delaware, Cheshire and Russian-most of them of mammoth size.

The finest collection of ornamental and domestic Poultry in Virginia—receiving the premium as the finest collection and upon individual pairs. They consist of the following: Brahma Pootra, Imperial Chinese, Colatta, Dorking, Spangled Hamburg, Seabright and African Bantams, Sumatra Pheasant Game, Ablin Game, Mexican Game, Ebon Game, Crested Turkey, Purple Turkey, Pure White Turkey, Bremen Geese, Hong Kong Geese, Wild Geese, Crested Black and White Ducks, Java Ducks, Penguin Ducks, Rouen Ducks, Aylesbury Ducks, Pure White Guinea Fowls, Italian Research lian Pea Fowl, Madagascar or Lopped Eared Rabbits-ears 22 inches long, 5 broad.

The above are bred in separate apartments, and can be obtained at moderate prices by addressing

JOHN G. TURPIN Clover Dale, near Petersburg, Va.

WILLIAM P. LADD, APOTHECARY AND DRUGGIST, No. 319, head of Broad Street, Shockoe Hill, Richmond, Virginia, dealer in English, Mediterranean, India and all Foreign and Domestic Drugs and Medicines; also, Paints, Oils, Varnish, Dye-Stuffs, Window Glass, Putty, &c. For

sale on the most accommodating terms.

Orders from Country Merchants and Physicians thankfully received and promptly attended to. ja'51tf

SENERAL AGENCY FOR THE SALE AND PUR-CHASE OF LANDS.—FRANK: G. RUFFIN, Secretary of the Virginia State Agricultural Society, and N. AUGUST, Notary Public and Accountant, offer their services to the public as General Agents for the sale and pur-chase of lands in Virginia, and in the Southern and Western States. Those wishing our services, having lands for sale, are requested to furnish us with a full description of such property, and the terms, &c., upon which they are willing to sell; and those wishing to purchase are requested to inform us of the locality in which they wish to purchase, the price they are willing to pay, &c. Our charges will be moderate.

Office at the office of the Virginia State Agricultural So-

A. plied with all New and Standard Agricul-TURAL WORKS. The subscriber respectfully invites the attention of the public to his extensive assortment of Books on Agriculture, among which may be found-

The Chemical Field Lectures for Agriculturists, by Dr. J. A. Stockbardt; translated from the German: edited with notes by James E. Tesehemæher.

The Field Book of Manures, or the American Muck Book; treating of the nature, properties, &c. of all the principal manures in common use, by D. J. Brown.

The American Farm Book, or Compend of American Agriculture, being a practical treatise on soils, manures, draining, &c. and every staple product of the United States, with the best metbods of planting, cultivating and preparation for market, by R. L. Allen

Elements of Agricultural Chemistry and Geology, by James F. W. Johnston, M. A.

The Monthly Journal of Agriculture, containing the best current productions in promotion of agricultural improvement, including the choicest prize essays issued in Europe and America, with original contributions from eminent farmers and statesmen,

3 vols. 8vo., John S. Skinner, Editor.

The Principles of Agriculture, by Albert D.

The Farmer's and Planter's Encyclopædia of Rural Affairs, embracing all the most recent discoveries in agricultural chemistry, adapted to the comprehension of unscientific readers, by C. W. Johnson, Esq.

European Agriculture and Rural Economy, from personal observations, by Henry Colman.

Chemistry in its Application to Agriculture and

Physiology, by Justus Liebig, M. D.

The Book of the Farm, detailing the labors of the farmer, ploughman, field worker, &c., by Henry Stephens.

Elements of Scientific Agriculture, or the Connection between Science and the Art of Practical Farming, by John P. Norton, M. A.

An Essay on Calcareous Manures, by Edmund

Ruffin: 5th edition, amended and enlarged. The Farmer's Barn-Book, by Clater, Youatt, Skin-

ner and Mills.

Together with many other valuable works on farming, the treatment and management of cattle, A. MORRIS.

Bookseller, Stationer, and Dealer in feb-1f Piano Fortes, 97 Main street.

ANALYSIS OF SOILS, &c.

THE undersigned is prepared to execute the analyses of Soils, Guano, Marls, Plaster. &c. &c. at the Laboratory of the Virginia Military Institute. Packages may be forwarded through Webb, Bacon & Co. Richmond, or Ecbols & Pryor, Lynchburg.

Persons desiring further information will please address WILLIAM GILHAM

Prof. Chemistry and Agriculture, V. M. I Feb. 1, 1852. Lexington, Va.

FINE STOCK FOR SALE.—I offer for sale a Devon T Cow, 4½ years old, that took the first Premium at the First Cattle Show of the Virginia State Agricultural Society as the best Devon Cow over three years old. A large and very well formed Durham Cow, 11 years old, a very large milker; and two promising Durham Bull Yearlings. Also, seven Cotswold Sheep-one Buck und six Ewesall young. I have, also, on hand a few pair of superior Essex, Chester County and Grade Pigs, which I wish to sell.

Norfolk, Va., Dec. 1, 1854 .- 21

MORRIS, 97 Main Street, is constantly sup- STOVES AND FANCY IRON CASTINGS,

Exhibited at the Virginia State Agricultural Fair, By Messrs. Bowers, Snyder & Carter.

HESE Gentlemen erected Works, about two L years since, by which they have been extensively supplying the State with articles for which we have heretofore depended entirely upon nortbern foundries.

Their Cooking Stoves have given entire satisfaction to all Virginia housewives who have used them. On the door of one of these we notice a representation of a sheaf of wheat, in which the heads and even the distinct grains stand out in beautiful relief.

They exhibit a specimen of parlor stove especially worthy of notice. Its style and finish are highly ornamental. Its chief merit consists of a door designed to increase the draught of the fire, which is made to revolve vertically upon a pivot.

These manufacturers, in a modest, unpretending way, are rendering good service to the State, by developing her resources in this branch of domestic industry.

E. B. SPENCE, H. M. SMITH, JAMES PAE,

Committee on Household Implements.

I have sold principally, for the past two years, the stoves manufactured by Messrs. Bowers, Snyder & Carter, at the Richmond Stove Works, and have found them to give my patrons entire satisfaction. both in their operation and durability.

CHARLES D. YALE, 130, Main Strect, Richmond, Virginia, Depot for Bolton & Yale's "Caloric Air Furnace." jan 1854-1y

EAGLE FOUNDERY.

THE subscriber having removed to the large I Foundery, just erected by him and fitted out with machinery of the latest and most approved style, is, in addition to the manufacture of Tobacco Flattening Mills, prepared to receive orders for Stationary Steam Engines, Saw and Grist Mills, Agricultural Machines, Tobacco Presses of every description, and all kinds of Iron and Brass Castings. He pledges himself to execute faithfully, and with dispatch, all work entrusted to him, and respectfully solicts a call from his friends and the public generally.

The highest cash prices paid for old cast iron, cass and copper. PHILIP RAHM, brass and copper. Cary, between Pearl and 15th sts. ja—1y

JAMES WOODHOUSE, Wholesale and Retail Dealer in Books, Plano Fortes, Station-ERY, Music, &c. 139 Main St., Riebmond, Virginia. Constantly on hand, a full supply of standard AGRICULTURAL WORKS. oc-tf

SINTON & SONS' NURSERY, NEAR RICHMOND, VIRGINIA.

S the season for planting has arrived, the sub-A scribers would respectfully call the attention of their friends and the public generally, to their large and extensive collection of FRUIT TREES, embracing, perhaps, a selection that has not been surpassed, for the climate of Virginia, and nearly all propagated from fruit-bearing trees in their own orchard.

Catalogues, with directions for planting, may be had at William Palmer's Seed and Plough Store; at Peyton Johnston & Brother's Apothecary Store; at C. J. Sinton & Co's. Hardware Store, and at Logan Waller's Commission House, where any orders left will be punctually attended to, and letters addressed to the subscribers, Richmond, will receive prompt attention.

nov—tf JOSEPH SINTON & SONS.

RYSTAL PALACE .- World's Fair, New York, United States of America-Association for the Exhibition of the Industry of all Nations.

EXCELSIOR.

The Association for the Exhibition of the Industry of all Nations awards to Elisha S. Snyder of Charlestown, Jefferson County, Virgina, the highest premium Bronze Medal, with special approbation, for the combination he has effected. and the practical application he has given the same, in his Labor Saving Machine for Threshing, Separating, Cleaning and Bagging Grain. Hon. Theodore Sedgwick, President of the Association; Hon. Henry Wager, Western New York, Chairman; Watson Newbold, Esq. Columbus, New Jersey; Col. John W. Proctor, Danvers, Massachusetts; Maj. Philip R. Freas, Germantown, Pennsylvania; Hon. Henry S. Babbit, Brooklyn, Long Island, acting Secretary in Class 9,

Jury C.
My Patent Premium Threshing, Separating, Cleaning and Bagging Grain Machine, is for sale, which received the first premium at the Crystal Palace, New York, over all Threshing Separating, Cleaning and Bagging Grain Machines on exhibition, thus proving conclusively that simplicity in construction, cheapness in price and durability in my machine, is being fully appreciated, and the old and new costly inferior complicated Separating Machines, must yield their places to a superior Labor Saving Machine. The celebrated Machine for Threshing, Separating, Cleaning twice, Screening and Bagging Grain by one simple operation. The greatest labor saving Machine in the world for separating all pure and impurities. This Machine throws the straw to itself, the chaff to itself, the wheat in the bag. the screenings to itself, and the smut and cheat to itself. Every thing has a place, and every thing is in its place to suit the conveniences of the farmer. For simplicity, durability, cheapness and capacity, it has no equal in the world. As for what has been stated in the different papers concerning Mr. Zimmerman's Machine receiving the first premium at the Crystal Palace, New York, is false, and not true. It is also stated that Mr. Zimmerman received a number of premiums at -- and other fairs. That I know nothing about; perhaps he did; but it is very easy to win the race, as the boy said when he ran by himself. But, my honorable friends, this was not the case at the World's Fair, New York. Mr. Zimmerman had a number of other boys to run with besides himself, which made the race more difficult for him; so much so, that he, Mr. Zimmerman, was neither first nor second; so you may judge where he was. These are facts that cannot be denied. The undersigned

would inform the public that his Farmers' Labor Saving Machine for Threshing, Separating, Cleaning, Screening and Bagging all kinds of Grain, is for sale. Farmers wishing to buy the best Machine in use, will address Joseph GLAZE, Prederick City, Maryland. Those wishing to purchase the Patent Right to manufacture the Machines, will address me at Charlestown, Jefferson County, Virginia. ELISHA S. SNYDER.

July 1, 1854-12t

MPROVED SUPER PHOSPHATE OF LIME.—The subscriber is manufacturing the subscriber is manufacturing the above at his Bonc Mill, a short distance from the city, of the best and purest kind. Farmers are requested to examine his before purchasing elsewhere; the quality will speak for itself, and his price is the same as that manufactured out of the State.

SITUATION AS MANAGER WANTED.—Any gentleman of Virginia or North Carolina having a large estate and who desires to engage, as manager of the same, a well educated and experienced farmer in whom implicit confidence can be placed, can hear of an individual who can furnish the highest evidences of his capability and trustworthiness.

Address de3t

JAMES J. BORDEN. Washington City, D. C.

WM. A. BUTTERS,

BOOKSELLER AND STATIONER, No. 157 Main Street, Richmond, VA.

THE CHINCHA ISLANDS.

S many ships to our address are under charter to pro-S many snips to our address are those seed to these Islands to load Guano, we beg to submit some particulars relative to the detention of ships and the expenses of loading.

All vessels may expect to lay out the full number of their lay days before loading is completed. A bonus of \$10 to \$15 per day, for every day saved, is sometimes paid as a gratification to officials. Most ships are kept a month after arrival, before an order is given to ballast, after which it is decided whether they are to load by lighter or by "Manguera," or shoot, by which the Guano is run into the hold. The "Manguera" discharges from 400 to 500 tons per

day. All ships dry up very much, from being exposed to a hot sun, and nearly all are obliged to caulk before leaving, unless they have been very recently caulked. Vessels should be provided with oakum and pitch, and English Caulkers can be obtained at \$4 per day and board. American coin or Sovereigns are best for disbursements-the former passing at par, and the latter at \$5 each. Captains of vessels, short of funds, can obtain money of resident Houses, if well accredited, at 6 per cent. premium upon sight bills, or draw upon their charters at 12 per cent. premium. The following were the Port Charges and disbursements for a ship of 700 tons:

CALLAO.—Stamps, \$5; Sailing License, \$11 ... \$16 00 Com'n on Charter

At the Islands 345 00 Manguera Fees, mooring · · · \$20 00 Pilot attending Trimin'g Fees, 17c reg'r ton 119 00 163 00 Crew to load from Callao and

back, 16 men three months

each, at \$20 per month ... 960 00 Com'n shipping & boat hire, \$2 each 32 00 Market bill for beef and vegetables, 3 months..... 300 00 Water bill for the Islands... 50 00 Crew shipped to go home, 16 men, at \$35 per month, 2 months in advance, \$70 Com'n ship'g and boat hire, \$5 each Water to go home · · · · · · · 30 00 Captain's expenses at Callao 25 00 and Lima -2.597 00

Add for caulking ship..... 200 00 " " gratification to trimmers and 30 00 \$3,335 00

There is another charge for hire of water casks (2 cents per gallon,) to carry water from Callao to the Islands, which the charter says is to be delivered "free of expense." The water has to be bought, and if the ship has no spare casks, they have to be hired. There is also a chance of losing \$50 on the boats or lighters used in ballasting or loading, vessels arriving purchasing of those leaving and when loaded, but not always obtaining as much as they expended. HUSSEY, BOND & HALE. se-tf

) ROWN & SHOOK, General Commission and Forwarding Merchants, corner Union and Franklin streets, Richmond, Virginia. All business carefully and promptly executed.

UNITED STATES HOTEL, (FORMERLY UNION,)

Corner of Main and Nincteenth Streets, Richmond, J. E. NORRIS, PROPRIETOR.

Price of Board, per day, \$1 50. martf

STILL VICTORIOUS:

REAT PREMIUM FAN, patented December 20, 1853. Montgomery's Celebrated Double Screen Rockaway Wheat Fan, has taken the following premiums the past year: The first premium at the Virginia State Fair, Richmond, 1854; the first premium at the Maryland State Fair, held at Baltimore, 1854; the first premium at Frederick City, Frederick county, Maryland, 1854; the first premium at the North Carolina State Fair, held at Raleigh, 1854; the first premium at the Union Fair, held at Petershurg, Virginia; and the first premium awarded by the Seaboard Agricultural Society, held at Norfolk, 1854. The Maryland Institute has awarded three Silver Medals, in 1852, 1853 and 1854.

CERTIFICATES.

St. Geramers, St. Mary's Co., Md., Oct. 6, 1853.

This is to certify, that I have tried Messrs. J. Montgomery & Brother's Wheat Fan in some tailings I made in cleaning a part of my crop, which I did not think could be made worth anything; it extracted from a bushel and a half of filth about three pecks of pure wheat. I must say that I never saw a fan that can even come in competition with J. Mostgomery & Brother's Rockaway Wheat Fan for screening wheat.

BENJAMIN MCKAY.

PRINCE GEORGE COUNTY, Aug. 15, 1854.

TO ALL WHOM IT MAY CONCERN: This is to certify, that we have particularly examined the operations of the Montgomery Fan, and find it, according to our judgment, to be the very best fan we have ever seen, both as regards the speed and the goodness of the work done. We have purchased two of them, one for Mrs. Worthington and one for our own use. B. D. MULLIKIN,

JAS. McE. MULLIKIN.

GREAT MILLS, ST. MARY'S Co., MB., Aug. 28, 1854. I purchased of you, a short time since, one of your No. 1 Extra Rockaway Fans, which has given entire satisfaction, and performs better than I could bave possibly imagined. J. EDWIN COAD.

FARMINGTON, ALBEMARLE, VA., April 28, 1854. I am so much pleased with the Fan I ordered from you at our Agricultural Fair at Richmond, last November, and which I have been using at my farm on James River, that I am determined to order one for my estate here, and will be obliged to you to have me one made, consigned to my son, T. J. Peyton, merchant, Richmond.

BERNARD PEYTON.

This is to certify, that we, the undersigned, have tried the Wheat Fans of Messrs. J. Montgomery & Brother, and we take pleasure in saying that we regard it greatly superior to any fan we have ever seen tried. We are of opinion that the Wheat Fan of J. Montgomery & Brother will in a day fan out more wheat and do it cleaner than any fan we ever saw tried. We can, with the utmost confidence recommend it to the favor of the farmers of Virginia.

JOHN OSEORNE. SAM'L C. LEGRAND, of Charlotte County, Virginia.

STONY POINT, NEAR YORKTOWN, VA., May 22, 1854. Your Fan is a perfect machine, doing all that is claimed for it, and answering the highest expectations. J. R. COUPLAND.

REFERENCES.

City of Baltimore: John S. Williams, foot of Commerce street; Messrs. Seth & Godwin, No. 4 Bowly's wharf; E. B. Harris, No. 4 Bowly's wharf; Michael Dorsey, Light street; Thos. J. Hall, Light street; N. F. Berry, Lombard street, near Charles; R. D. Burns, foot of Bowly's wharf; Mr. Wilmer, No. 2 Bowly's wharf-all commission mer-

Virginia references: Hon. William S. Archer, Virginia; Gen. B. Peyton, Virginia; Hill Carter, Virginia; Lewis E. Harvie, Virginia; Rowlett, Hardy & Co., Petersburg; A.

C. Lane, Richmond; Robert Cole, Richmond, Virginia; M Heartwall, D. T. Payner, James B. Lundy, J. Ravenscroft Jones, Geo. W. Field, Col. Isham Trotter, John Winbeiks, Wm. Towns, Jas. Hays, Sr., Dr. Wm. W. Oliver, Samuel F. M'Gehee, William M. Watkins, William I. Scott.

We are prepared to sell State or County rights to those

who wish to manufacture our Fan.

All orders addressed to the undersigned at the Baltimore City (Md.) Post Office, will be promptly attended to.
J. MONTGOMERY & BRO

No. 155 N. High st., between Hillen and Gay streets, Baltimore. may-1y

SCOTT'S LITTLE GIANT PATENT CORN AND COB MILL.

Patented May 16, 1854.



The attention of Planters, Farmers and Stock-feeders in general, are respectfully called to this Mill as

of the kind now in use; not only well adapted for grinding Cob Meal for Stock, but Grits for the table, and especially Bread Mcal from corn not fully ripe or dry in the fall.

In setting this Mill no mechanic or frame work is wanted, only requiring to be fasted to a floor or platform. Easily adjusted and used by any body, even a child.

The LITTLE GIANT has received the first premiums at the late Agricultural Fairs of Missouri, Kentucky, Maryland and other States; and that in the most complimentary manner; as well as the most ready commendations from the thousands witnessing its performance.

These Mills are guaranteed in the most positive manner; and No. 2 warranted to grind 10 bushels of feed per honr with one horse, and offered at the low price of \$44, all complete, ready for attaching the team-No. 4, at \$66,

grinds 20 bushels per hour with 2 horses.

Manufactured by SCOTT & MOCKBEE, No. 7 Balderston Street, near Light Street, Baltimore, Maryland. Liberal discount to dealers. State and County Rights for sale.

From the Cincinnati Gazette.

CORN AND COE CRUSHERS.—We stepped in yesterday to the establishment of Messrs. Scott & Hedges, No. 9 Water Street, and witnessed the performance of Scorr's PATENT CORN AND COB MILL, called the "LITTLE GI-ANT," and can assure those who are in need of a mill for grinding ear-corn for feed, or cracking corn and oats together, that this article is the best adapted for that purpose of any thing we have ever examined. With one horse, they are able to grind at the rate of from 10 to 12 bushels per hour, breaking all the corn and pulverizing the cob-completely. The whole mill, ready to hitch the borse to weighing about 300 lbs, and sold at the low price of \$44, and warranted at that-it does strike as it will soon find its way to every good farmer and economical teamster in the whole country. In regard to the style and workman-ship of this Little Giant, we must say it is a little ahead of the rest of the family, and no wonder, for it is Western

DIGS OF IMPROVED BREED FOR SALE.—I have for sale, to be delivered at weaning time, a good many pigs of improved breed. I have produced it myself from crosses of the Surry (or Suffolk), genuine Berkshire, (Dr. John R. Woods' stock), Irish Grazier, Chester County, No Bone and Duchess. 1 think them superior hogs of medium size, and for fourteen years they have not had a bad cross among them. I prefer that purchasers should view my brood sows and my boar on my farm, three miles below Richmond. I will not sell them in pairs, because the inand-in breeding would depreciate the stock at once and cause dissatisfaction, but I will sell in one lot several of the same sex. Price \$5 per head for one, and an agreed price for a larger number. They will be delivered on the Basin They will be delivered on the Basin or at larger number. They are the free of charge.
FRANK: G. RUFFIN

Summer Hill, Chesterfield, Jan. 1, 1855.

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A VALUABLE FAMILY MEDICINE.

So celebrated has Dr. McLane's Vermifuge become, that it is regarded as the only specific cure for worms. Families should never be without a supply of it. At this season, particularly, when worms are so troublesome and frequently fatal among children, parents should be watchful; and on the first appearance of those distressing symptoms which warn us of their presence, at once apply this powerful and efficacions remedy. We are confident that it only requires a trial, to convince all that it richly merits the praises that have been lavished upon it. It is safe and infallible. Volumes of certificates can be produced, showing its great medical virtues.

Purchasers will be careful to ask for "Dr. McLane's Celebrated Vermifuge," and take none else. All other vermifuges, in comparison, are worthless. Dr. McLane's genuine Vermifuge, also his celebrated Liver Pills, can now be had at all respectable Drug Stores in the United States and

Canada.

ANOTHER CASE OF FEVER AND AGUE CURED.

A few days ago we recorded an astonishing cure of Fever and Ague by the use of Dr. McLane's Liver Pills. We have now another to mention, viz: that of Mr. James Sharpe, of Madisonburgh, who states that he had labored under a very severe attack of Ague and Fever, and was soon restored by the use of theso Pills. Mr. Sharpe also expresses an opinion, founded on observation, that the Liver Pills are the best for bilious complaints ever offered in his section of country.

Although long known as a sovereign remedy for chronic cases of Hepatic derangement, or diseases of the Liver, the proprictors of Dr. McLane's Pills were not prepared for the frequent, but gratifying evidences of its general utility and curative capacity. In this respect, this invaluable medicine has exceeded their most sanguine expectations, and induced them to hope that it will be introduced into every family in the United States.

Purchasers will be careful to ask for Dr. McLane's Celebrated Liver Pills, and take none else. There are other Pills, purporting to be Liver Pills, now before the public. Dr. McLane's Liver Pills, also his Celebrated Vermifuge, can now be had at all respectable Drug Stores in the United States and Canada.

For sale by PURCELL, LADD & CO. jalt Corner Main and 14th streets, Richmond.

READ, CONSIDER AND ACT WISELY. IMPORTANT TO FARMERS!



It is only by the use of valuable improvements that we can reasonably expect to keep up with the age in which we live, and public opinion everywhere has placed M. D. Wells' Improved Patent Seed Sower in the first class of agricultural implements. The above drawing exhibits it in use, and any ordinary mind must at once be impressed with the certain conviction that it is an indispensable implement of husbandry, and that every good farmer should have it. By its use you save time, which is money and labor which costs money, and experience in using it proves you will not be driven from the field unless by very rough weather, and the almost mathematical precision with which the seed is distributed, compared with hand sowing, renders it self-cyident in the opinion of the best farmers that a saving or gain of two dollars per acre is made in two crops of grass and the succeeding crop of wheat, one year's interest on an acre of land at \$331, and sowing three acres pays for a machine with lid at \$6.

The first premium was recommended for this machine at the late Virginia State Fair, and four of the committee (all having use for it) engaged one each; and we think if governed by your interest you will do likewise.

MOTT, LEWIS & WILLSON,

Sole agents for Richmond-Agricultural Implement fe-tf Store, No. 36, Main Street.

RINO SHEEP.—Having increased my flock of Merino Sheep on my farm, in Orange county, to over 800 I am now prepared to sell a few choice yearling Bucks and Ewes. To all who have any acquaintance with Col. Henry S. Randall of New York, and the reputation of his flock, it is only necessary to say that the yearlings I propose selling are the product of ewes purchased of him when he sold out last year, and selected by him personally as the best in his flock. I have his letters, saying that he was offered the same price for his ewes by his neighbors, but that in starting the growth of fine wool in Virginia it was very important to have good sheep, and as he knew these were superior, he preferred selling them to go there. I shall sell no bucks except such as show marks of superiority. All who want to raise their flocks to a high standard at once will do well to apply early, as I have but a Address by mail, or apply to limited number for sale.

WM. G. CRENSHAW, or CRENSHAW & CO.,

North side of the Basin, Richmond, Va. june-tf

ERUVIAN GUANO .- Having on hand, and engaged to arrive, a large supply of Guano, we solicit orders. All who buy of us may rely on getting it genuine, as we sell none except what comes direct from the Peruvian agents. CRENSHAW & CO

North side of the Basin, Richmond, Va. june-tf

M'CONNELL & BURTON, DENTISTS,

Main Street, between 9th and 10th Streets, Richmond, Va. JOHN M'CONNELL. W. LEIGH BURTON.

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