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CORRESPONDENCE OF THE PATRIOT.

No. 1. Wayside Thoughts and Observations in Western North Carolina. CHIMNEY ROCK. )

Rotherford Co., June 20, 1848.

Messre. Editors : I promised some of my friends, in leaving home on a flying visit South and West, the favor of such thoughts and observations as should occur to me ; and as between us feelings on matters of public and state policy, perhaps I shall not trespass too much on the colpublic medium of intelligence.

lower route, by Rutherfordton, through the mountain fastnesses, being advised by a friend of its better road and superior beauty in mountain scenery. Of these advantages I cannot at present speak, as I have never travelled previous to this time beyond Lincolaton ; but on my return route beautiful and imposing scenery as meet the observation of the traveller or tourist by Rutherfordion,-then why is it, (social friends of the counts of the beauties and incidents of travel in provement might be, your inherent right,-visit what my own and other pens can only sketch.

Gap, a distance of sixty miles, is perhaps by na. ture as good a natural road,-excepting a few long hills which are by no means formidable to market wagons or pleasure carriages,--as any road in the world. It is a most erroneous opinion which is prevalent in the middle and eastern parts of the State, that the mountain country is almost inaccessible to travelling conveyances. I feel

warranted in saying, that the route I have travelled over from Lincolnton is a better road than the one to Fayetteville from Salisbury or Raleigh from Greenshoro'

At the distance of five miles from Lincolnton we ascend a flight of inclined hills ; then trave] over a hard, level, plain road which is varied with these steps of hills at equi-distant spaces of four and five miles for a distance of thirty miles. At the distance of eleven miles we have the first view there are often happy exchanges of thoughts and of South Blue Ridge, which, to one who has never seen mountains of a similar class, excites feelings of as thrilling an interest-ascending from umns of wour journal in making it a private and the valley-as Xenophon in his Anabysis tells us excited his ten thousand Greeks, when they had In leaving Lanualaton I took the southern or the first view from the mountain peak of the distant seashore, their native and long-wished-for home.

With my knowledge of turnpikes, I think I can safely say, I have seen few roads the material of which (silica and quartz) are more desirable for the construction of a cheap, durable and easily by Morganton, I hope I shall then be able to write kept up turnpike. At present little work is done of my own knowledge. Sufficient it is at present on the road ; and as long stages can be made on to remark, that if there is as good a road and as it as upon any of our roads. I think the time is near at hand when some such work as this will engage the attention of State or individual enterprize-more especially when the connecting link valley and the seabhard.) that you do not awaken between Danville and Charlotte is formed by a from your indifference to the often repeated ac. railroad, which work-the noblest yet in contemplation in North Carolina-will be as certainly Western North Carolina,-and having assumed built, to the pride of the rising generation, as the that State pride which by nature is, and by int- noble waters of the Yadkin and Catawba yet roll on a silent but eloquent rebuke to the theories the North and other places of attraction less, and and efforts of impractical statesmen of the past, your own favored State more, and see and learn and unpatriotic politicians and apathetic and lethargic citizens now passing off the stage of action. And although I have now attempted a task When this work shall be accomplished, our moun-

which I am so incompetent to perform, it is, I'as tain friends and citizens, (as pure North Carolini- stance of the mind. There is freshness of imastance of the mind. There is freshness of this polase ans as the elements of the stantic they breather polase by wandering over hill and ports was well known and in use in Great Britainin letter writing; for it is one of those polite ac. and the water which they drink are from insalu. dale, and looking at all things growing and living, and figured and described in nearly every work of any value since published on the subject of complishments which, alas, I have too much neg-brious properties.) will have an outlet to this rail-takes long and delighted flights. There is ardor

particularly from Lincolnton by Rutherfordton to | to think and drive fast before night, and be comthis place, (Mr. Harris'.) at the foot of Hickorynut fortably stowed away before the storm comes on. In my next I propose giving an account of the mountain scenery, &c., of Harris's Cove.



Common Schools in Agricultural Districts.

Here as well as elsewhere, the agricultural population will never cease to be of the highest mportance to the dignity and strength of the State. It is from the rural districts, that the manufacturing population recruits its waste, and draws the bone and muscle of its laborers, and much of the energy of its directing force. It is from the country, that the city is ever deriving its fresh supply of men of talent and energy, to stand foremost among its mechanics, merchants, and professional men. It is on the country that the other interests of society fall back in critical seasons, and as a forlorn hope in moments of imminent peril. Just in proportion as the means of ntellectual improvement abound in the country, and co-operate with the healthy forces of naure and occupation to build up men of strong minds, and pure purposes in strong bodies, do her sons fill the high places of profit, enterprise, and influence in the city and the manufacturing vil-

In respect to education, the country has advanages and disadvantages peculiar to itself. - The sparseness of the population forbids the concepration of scholars into large districts and the conequent gradation of schools which is so desirable, and even essential to thoroughness of school instruction. The lumited means and frugal I abits of the country preclude the employment of teachers or professional men, of the highest order of talent and attainments, and thus, both the direct and indirect benefits of their educational influences are not felt. The secluded situation and pressing cares of daily life, foster a stagnation of mind, and vant of sensibility to the refinements and practical advantages of education.

On the other hand, country life has its advantages. There is the bodily energy and the freshnews and force of mind which are consequent upon it. These are secured by the pure air, the rough exposure, the healthy sports and the labo-rious toils of the country. Hence the boys bred in the country endure longest the wear and waste of hard study, and the more exciting scenes of life. There is the calmness and seclusion which is favorable to studious habits, and to that reflection which appropriates knowledge into the very sublected. But I do so as well to gratify a circle of road-will greet us as brothers, and cast at the social friends, as from a patriotic sense of duty to several depots their surplus, and excellent pro-Above all, there is often, and may be always, a more perfect domestic education, as parents have and the home is more completely, for the time being, the whole world to the family. Whereever these favorable circumstances are cumbined with the advantages of good teachers, good books, and the personal influence of educated men, there will boyhood and youth raceive its best training for a long life of useful and honorable effort. But in these agencies of education. the country portion of the State are greatly deficient .- relatively more deficient than manufacturing villages. The teachers are almost universally young men, with no education beyond what can be obtained in ordinary district schools, inexperienced in life, and in their own profession, with no expectation of continuing in the same school more than three or four months, or in the business any longer than they can accomplish some temporary object, and without any of that interest and pride in their schools, which springs from local and State attachments. Even when they are well qualified, by knowledge, age and experience, and feel a more than ordinary interest in improving the schools, because they are the schools of their town or State, their connection with them is so transtent, and the impediments from poor school-houses, backward scholars. irregular attendance, diversity of ages, studies und books, want of interest in parents and committees, are so great, they can accomplish but very little good. The deficiencies of the schools are not supplied to any great extent, by school. or town, or circulating libraries, or by courses of popular lectures. In 1844, there were but three ibraries, containing twelve hundred volumes, in the agricultural districts of the State." These belonged to proprietors, and were accessible to less than one hundred families. There was not a single lyceum, or course of lectures open to the agricultural population, distinct from those which were established in a few of the manufacturing villages. From the want of such facilities for nurturing the popular mind, and the fact that clergymen and professional men from the city and large villages are seidom called into the country, there is less of that intellectual activity, of that spirit of inquiry, and desire for knowledge, and of that improved tone of conversation which the discussions and addresses of able and distinquished men, in the lecture room and the pulpit are sure to awaken, and which constitute an ed-To supply these deficiencies in the agricultural districts, public education in all us bearings. must be continually held up and discussed before the people. The lecturer, the editor, the preacher, educated men in public and privateife, should do all in their power to cherish and sustain an interest on this subject .- Henry Bar. nard.

their children more entirely within their control, ed a patent for the Cast Iron Plow skeleton, in

### The Cast Iron Plough.

A bill has recently passed the Senate of the United States, and is now pending in the House of Representatives, to extend the patent of Jethro Wood for seven years, which he obtained in 1814 and renewed in 1819, claiming to have invented the cast iron Plowshare. This bill proposes to grant to the beirs of fethro Wood, the privilege f exacting fifty cents from the manufacturer for every Cast Iron Plough made in the United States for seven years after the passage of the said bill.

As there are about four millions of farmers and lanters at present in the United States, as each would require on an average at least one plow every four years, this privilege would be worth half a million of dollars annually, all of which would be taken from the bard earnings of the farmer and planter. And what makes the matter more unjust is, that the interest of the heirs of Wood have been purchased for a mere song ; thus nearly the whole benefit of it will inure to a company of greedy speculators. But Jethro Wood as I shall proceed to show.

vas not the original inventor of the Cast Iron Plowshare, nor did he ever improve the Plow in the slightest degree; he was consequently entitled no merit in this thing, and much less to a patent; and had the fact been known by the Commissioner of Patents, in 1814, he would no have granted him one, or renewed it in 1819 neither would the United States Court confirmed him in it after it had been granted.

The Cast Ircn Plowshare was invented by Robert Ransom, of Ipswich, England, and he obtained a patent for it in 1785, twenty-nine years before Jethro Wood obtained his. The Cast Iron Plow, with the share and mould board in two parts, was kept for sale by Peter T. Curtenius in this city, as early as 1800; and in use in this neighborhood. Jethro Wood undoubtedly obtained his knowledge of the cast iron share from one or the other of these, for the Cast Iron Piow as a whole, and in separate parts, will be found figured and described in almost every Encyclopedia, and work on agricultural implements, published in Great Brittain, since 1790. These works soon found their way into the United States, and it can be proved by the testimony of the intimate friends of Jethro Wood, that he was familiar with these publications.

The history of the Cast Iron Plow and improvements are simply this.

James Small, a Scotchman, constructed a Cast fron Plow on true mechanical principles as early as 1740, and was the first inventor of the cast iron land side shortly after, so that as early as 1790. the Cast Iron Plow complete, in three distinct

Without any knowledge of these impro of the Cast Iron Plow in England, Charles Newbold of New Jersey, about the year 1790, took up the plow with a view of improving it in the United States. On the 17th of June 1797, he obtainone piece complete. Subsequently he made his plows with a cast-iron mould board and land side. and attached a wrought iron share to it. Shortly after this, he still often spoke of farther improving his plow, by substituting the cast iron share .-But having spent upwards of \$20 000 in his improvements and efforts to introduce it into use in the United States and elsewhere, he got discoutaged and gave up the business.

became the first convict under the State's prison. do not vitlate the air. In a close vessel they de department. Being a shoemaker by trade they gave him a tench, lasts, and leather, Thus, from

Patriot.

do not visuale the air. teriorate and restore the air. Fruit put into an atmosphere that contains no oxygen, does not ripen ; but the ripening process commences when oxygen is supplied. The to-Noah Gardiner, sprang the whole generation of shoemakers who have peopled the prisons in our various States-from Plymowth Rock to the North tal weight of fruit in ripening is very little dimin-East point of the Rocky Mountains. Having ished. Heat produces saccharine matter in fruits and heat without light will mature them. been intunate with Noah in days gone by. I one day entered the prison to see how matters pros-

A chesinut tree grew at Tamworth, which was fifty-two feet round ; it was planted in the year pered. In a large room there sat on their last 800 ; and in the reign of Stephen, 1135, was made a boundary, and called the Great. Chestnus Tree\* gs above three hundred shoemakers, while Mr. Noah, with cane in hand, and all the consequent-In 1759 it bore outs which produced young trees. al airs of an office-holder, struge through the In a pear shut in a close vessel for seventeen ranks of his motley regiment, instructing and correcting such as were sinners above all men in the room. In this department Noah behaved days, the ingredients were much changed ; the sugar was doubled ; and the gom. water and woody fibre, had decreased. 100 parts of the air contained 184 of carbonic acid, 74 of oxygen, and ike an honest man ; (for as a Scotch woman remarked, " the de'il tank 'em, he can'na help't.") In process of time having served another appreniceship of seven years, the Friends induced our

There are twenty one species of the pine : a-mong which the cedar is the largest, and the wild. Governor to give him an unconditional pardon ; or Scotch, the most important, producing yellow deal, and trunks sixty or eighty feet high. Tha silver fir is not less valuable for its quick growth and vast size. The larch is another species of the prison door was opened, and he went forth. "Now," remarked our worthy (though in this case mistaken.) friend, " you see the utility of our humane system, you would havd hanged that man he's a reformed man." &c. They procured a

There are sixty species of the pepper free. There are 100 species of heaths, and four na-tives of England. In the Highlands they are employment. From gratitude (we may presume.) he joined the society; it was thee and thou, like the best of them ; he prospered in the world -his used in building, for beds, and for malt lighter. They dye an orange color, with a mordant of aleyes stood out in fatness-he had more than heart

There are 216 species of lichen ; of which the could wish: the most of his work was done by orchall is purple or crimson dye; the omphalodes, paler, but more lasting ; and islandicus, used as journeymen, who wrought in their houses, wherein dwelt their families. 'On a certain day Friend Nosh gave into one of his workingmen to make bread, and in medicine, for him a pair of boots ; " now, friend," says No-

Bamboo is, in the torrid zone, and in the East, ah, "thee must bring me them boots properly a production of various most important uses, and finished on fourth day evening," says the man, grows from lifteen to sixty feet high, being from five to fifteen inches in diameter. It is well known "you shall get them.". The boots, however, were not forth coming until sixth-day evening; by its hollowness and its joints; it grows rapidly. Noah was wroth, and commenced a violent disser- as much as twenty feet in a few weeks. In flourtation on the unpardonable crime of disappoint- ishes wild in many places; and in China, and othment. As soon as the man could edge in a word, or countries, is carefully cultivated in plantations. says he, + sir, I'm a poor man, I've a wife and The soft shoots are cut and eaten like asparagus, three children; my wife took sick. I nursed her, and sometimes saited, and ate with rice. The cooked for the children, and wrought day and hollow joints afford a liquid, drank by the peoples night; but could not make a finish any socner." and if not drawn off, a concrete medicinal sub-Noah woold admit of no excuse, still insisting on stance is formed, and much valued. Decocliona the heinous sin of disappointment; the patience of the leaves and bark are also prescribed. Its of the man was at its climax ; with his fist he seeds are eaten as a delicary ; its large joints are placed a thundering knock on the counter; says used as buckets; and, in many countries, no othhe, "sir I know it's a dreadful thing to get disap- er wood is used for building houses. Ships are pointed. I remember, one day, about ten years framed out of it, and it furnishes masts and yards. ago, I went up to the Park to see you hung, and Its leaves make fans. It is also used to make ago, I went up to the Park to see you hung, and the total to that the second of the se when you did not come out. Well, now this great distances. It also forms writing pens, and was speaking to the point, as the Yankee says, is were into baskets, cages, hais, &c. bruised "it was a knock down argument," as an Irish-man would say, "it was unking out a strong every kind of furniture, and is indicated in Europe case," as we have it smong lawyers, and as they by painting the knots of chairs and tables.

say in Congress; "it was unanswerable argu. The cotion plant or genus gassy plum contains ment," and so Noah took it ; he was dumb; he 10 species and is extensively cultivated in warm. opened not his mouth; but like a wise man. (the churates. It belongs to the class monodelphia, devil never employs a fool when he wants a jours and the order polyandria. The seeds are enneyman) he made the amend honorable ; paid closed in a capsule and involved in the filaments. for the work : gave the mag another pair to make, called cotton. The plant is raised from seed and kept bim in employment till he closed the sown in holes in the spring months. The superfluous plants are pulled up, and the others proned A few months after this, Noah borrowed a- to the height of four feet. There are annual plants, mong the Friends " considerable sums of money: but the perennial species is cultivated in South and obtained a number of extra endorsements," America. The seeds spring up in a few days in the former he changed for field, and the latter he showery weather, and the cluster of plants in got shaved in Wall street on the same night .- weeded when they are a few inches high .-Noah left the city, his wife and children, (some The tops are pruned to increase the branches. of them grown to maturity) and took with him, They yield in seven or eight months, and the crops for company on the road, a young married fe- improve for two or three years, and every four or male ; since then he has not been heard from, five years the plants are renewed. The blossoms. a double calyx exteriorly, three cleft, appear in So you see. Mr. Printer, it was nothing but dis- July and August, the pois opening in a few appointment all round; the Friends were disap- weeks, and the first crop being picked in Novempointed in his reformation; the borrowed money ber and December. The rainy season then pronot returned, and the notes dishonored. Two duces a second crop, picked in March and April. more disappointments-the man not finding his The peds are then dried in the sun until the seed wife when he came home, was another disap- be comes hard, and the seed is then separated pointment; and worse than all, the gallows was from the cotion by a gin. It is then picked and lisappointed of its due. A strong case is this in packed for matket. Its great enemy is the caterfavor of capital punishment. This is no romance, pillar called the chenille. An acre of cotton it's a simple tale of truth ; I knew all the parties, trees, under favorable circumstances, vields 400 and was conversant with every one of the cir- lbs. of cotton. The pods are the size of apples. and filled with cotton, surrounding the seeds. Four only of the species of cotton or gossypium are important to commerce. The herbaceous is is about two leet high, with capsules full of seeds wrapt in cotton wool. The hirsutum, same size, with hairy stalks and leaves. and American.-The Barbadoes four to five feet high. The mahogany tree is a native of Cuba, Jamaica, &c., and grows from 60 to 100 feet high with deep green foliage, orange-colored flowers, and from the size of a large egg. Cork, whose specific gravity is 240, or one fourth that of water, is the bark of of a tree called now see how great an injustice it would be for rine matter in vegetation. Their juices are alike. guercus super, which flourishes in southern, Europe, and northern Asia. It falls from the tree at 12 or fifteen years old; but for commerce they qualities as well as their colors, becoming white are stript for several wears successively and then allowed an interval of 2 or 3 years. The young trees are stript only every third year. It is flattened by being piled up in damp places, and loaded with weights, it is then dried over fires for use .- As a bad conductor of heat it is used to increase the warmth of apartments, and as the lightest and most elastic of the woods no substance is more generally useful. The morus or mulberry tree has several species. The white, feeds silk worms in China, the leaves shep, and the branches make fire-wood .-The black produces the best fruit. The bark of the papyrifero species is employed in Japan to make paper, and it also makes fine while cloth. The cinnamon tree is a species of laurel, and is a native of Ceylon. It grows to 30 or 80 feet and its trupk and branches produce the bark. Indian arrow root is a native plant of South America and cultivated in the West Indies. It is a creeping root, with stalks about two feet high, and the roots pounded and 'bleached make the starch which is used as nutricious food. It was supposed to be an antidote to the poison of Indian arows, and hence its odd name. Linnmus calls it maranta. The bannian is the sacred tree of the Hundoos. Every branch shoots a new root to the ground, so that they spread indefinitely and afford shady retreats for comfort and religion. The date in all tropical countries, is one of the. most common trees, and grows from 50 to 100 feet, affording food clothing &c. The banana or plantain is the most useful of rees. Its fruit 12 inches long and two thick serves for bread ; the leaves serve for clob and

greatest and best of lands-which on account of its extreme modesty and want of State pride and practice of a laudable ambition heretofore, now sleeps, comparatively speaking, in this age of civdizerion and improvement, as unconscious of the Pamerous elements of national wealth and greatness which repose in nature's works, as the wild

desort wilderness.

ple in the world.

vantages given us,

Here, while passing along the public road, my was broken. thoughts would often recur to the two noble streams silently on, in the same unimproved channels in which nature directed them-overlooked by beaurich treasures of the mountains and vallies; but, slas, they flow on with no rudder to plough their virgin surfaces, no sail to make glad the approach to welcoming thronge, crowding on the banks to

my dear native State-favored by Providence ducts of husbandry,-which they can never do greater energy when it has room to show itself. with the choicest gifts of His creation-capable, by without some such way-as their mountain the art and ingenuity of man, of becoming the streams rush down through the gaps, tumbling over large masses of rock, and offering natural and insuperable obstacles to the art and ingenuity of man. But while indulging such thoughts and mak-

ing such observations as these on the wayside the last day of travel to this place, I found that night was approaching, and dark and threatning clouds man of the forest that once tracked (to him) this were rolling in wald and terrific grandeur, as a scroll cast from the mountain tops; and four

And of the force and truth of these sentimen s miles (after crossing main Broad river, down I was never more strikingly reminded than while whose banks I had travelled near two miles with crossing these large and beautiful bodies of water. scarce enough for one vehicle to pass safely the Yadkin and Catawba rivers, over the main between it and the perpendicular shelves of rock highway. passing through valleys watered and opposite as left bank.) were yet before me, and fertilized by those rivers and their thousaud tribu. near one and a half mile of similar road, with taries, with seasonable inundations depositing the the mountains opposite the right bank was to be rich soil of the maccessible hills and mountains, traversed, and the storm rumbling in the distance, which yield to our present imperfect progress in and the rain falling thick and fast, - my thoughts the science of agriculture a greater variety of very naturally digressed from their criticism on staple productions, grains, fruits and grasses than patriotism and want of State pride, and were abany similar section of country in the world, and stractly bent on a safe and comfortable retreat at more than our population can waste and consume. Harris's Cove. But the darkness increased, the And in addition to these vegetable favors which rain fell in quickening and repeated torrents, as pave been lavished so profusely upon us to sup- we drove into main Broad a second time to cross; port and nourish our bodies, we have perhaps and not being able to see our way across, we more specific and in intrinsic mineral wealth for turned back to inquire the way at a cabin some the arts and finances of a highly civilized and re- hundred yards behind us-drew up on the small Gned commonwealth than any other state or peo- hill near the house, hallooed and jumped from our buggies, while torrents of rain fell upon our

But what were my desponding reflections upon bewildered heads. When the door opened a the spectacle we exhibit at home and the charac- bright light illumined our faces, and the hospitater we have abroad, for want alone of a proper ble cove-men came out to receive and sympathise State pride and spirit of public improvement .- with us-when, in an instant, a bright shaft of And it seemed to me that the blame should prop- lightning fell near our feet, stunning my legal erly rest upon our public men in the management compeer and friend in distress, and completely of our state policy, and those of our men in the eclipsing our vision-followed instantly by an private relations of life who have received a bonus awful peal of thunder, at which my horse darted in their collegiate education in the University of with electric speed, with buggy and all, down the our State. For what purpose had our early law- hill and rocks into the river, dragging me a short givers in view, in setting aside such a large fund distance and then wresting the reins from my for the endowment of our University, if it was not hands and going pellmell I knew not where. I sa educate and discipline the youthful mind and soon pursued as some wandering bewildered ucating influence of a powerful and extensive salents of the State for future noble purposes in spirit, found my horse trembling in his tracks, character, in large places. the improvement of society and the natural ad- disengaged him from what I supposed a wreck of matter, when to my infinite surprise a shaft only

I hastened back to the cabin, my friend was of water behind me in the distance, still flowing safe and indulging melancholy thoughts of me. We soon took shelter as wet as fresh sponges from the sea; a bright fire welcomed us; we talked tiful private residences with rich fields of ripe and of the awful and terrific storm, which the cove-men flourishing grain around them-and which might pronounced unusual, of the hair-breadth escapes, have long since and now have been wafting thou- and then laid down supperless-slept as living sands of steam and other boats, laden with the men never slept, and came over to Mr. Harris's Sunday morning ; from which place we will soon leave for Asheville, twenty-three miles over the mountain.

#### . One of the N. E. States.

the second

Lynching .- An infamous case of lynching occurred at Vicksburg recently. A man named McQuade was whipped nearly to death on suspicion of having committed a theft, of which he

Taise and exchange commodities of trade and pro- incident in a mountain storm, to impress you with fied. The citizens owe it to themselves to see the importance, should you ever visit the moun- amends made to McQaude, and those who out- induced the Governor to genit his punishment give it oot in the sunshine. They produce car- devering :- the root is performinal, but the stalk is And then again, the public bighway, more tains, (and be it to your shame if you never do.) raged him brought to justice

Peter T. Curtenius, as stated above, kept the Cast fron Plow for sale in this Ony, the share and mould bourds in separate parts, as early as 1800. Who was the manufacturer of these I am unable to harn. In 1804. I think, David Peacock, of New Jer

sey, obtained a patent for a plow, the mould board and land side of cust iron and in separate parts. the share of wrought iron steel edged. He conied Mr. Newbold's plow in part, and for the privilege of which he paid him \$1.000.

In 1814 Jethro Wood obtained a patent for a plow, the mould board land-side and share in three parts and of cast iron. He was familiar with Newbold's and Peacock's plows, and his was a bungling imitation of theirs, and not near so perfect in form and construction as the old Rotherham plow, which had been in use in Great Britain upwards of seventy years before ever Wood obtained his patent.

Wood was aware of it.

Wish these facts before them, the public will Congress to extend the patent of Jethro Wood. speculators, the privilege for seven years, of exacting fifty cents per plow from every one engag. in the dark. ed in their manufacture.

I hope these facts will be widely disseminated by the press throughout the United States ; for the hard working farmers and planters ought to be immediately apprized of what so vitally concorns them. As the bill is still pending before duces green. the House of Representatives let all those opposed to injustice and special privileges take pains to call the attention of every member to the subi-ct. gelatin, and a flavoring and coloring principle .-

A. R. ALLEN.

#### A Chapter of Disappointments.

In the month of November, 1794, I went up for two long hours on the bare poles, the square gen in the air into carbonic acid. cross-tree, the swinging rope and prow houk at us confess I was very much disappointed myself. climates. This man was Noah Gardiner. He kepi an The say

laws.) and so was condemned to be hung. At the wood and bark, is a mixture of both. nountain. I have been thus tedious, dear reader, on this been aroused against the lynchers, and some have first erected in America.) was building and near-ders plants white; and its excess produces the ly finished. The Friends (Quakers) who were same effect, the first promoters of this system of humanity, Fleshy leaves absorb oxygen in the night, and

concern. So far so good.

store for him ; advanced money, and gave him

now upwards of twenty years.

GRANT THOREURN. February 29, 1848.

# Facts in the Vegetable Kingdom.

Vegetation converts the gas of the atmost here It is said that the Cast Iron Plow, in three into an equal bulk of carbonic acid gas, without parts, viz: mould board, land side and share was affecting the szote. When no oxygen is present. a use in Virginia previous to 1814, and that they either form carbureted nitrogen or carbureted hydrogen, slways evolving carbon.

Light is unlavorable to the formation of sacchaand they are not inflammable when they grow in and give his heirs or rather a company of greedy the dark. Light produces the varieties of their

Leaves are colored in the preportion to which acids and alkalies prevail in them ; green indicates an excess of alkali. Bolar light is the agent by which the carbonic acid in gas is decomposed. The oxygen is thus expelled, and the alkali pro-

All fruits consist, in various proportions, of water, sugar, potash, malick seid, mucilage, tennin, The essentials in making wine from them are the sugar, tartarous acid, mucilage, and water .-Flavor, color, and tannin are not essential, The tartarous acid distinguishes wine, and the malick, cider. The sugar, by fermientation, yields the alcohol, with extractive vegetable matter.

The colors of flowers depend on light; and the to the Park in New York, (then out of town.) to coloring matter which they yield becomes red see a man hung. There was probably ten or when an acid is added to it, and violet, blue, or fileen thousand persons present,-the majority green, when an alkali is added. Flowers decomof them bigger fools than myself. After gazing pose no carbonic acid, but they convert the oxy-

The odorous matter of flowers is inflammable. extremity, the sheriff arrived and announced a and arises from an essential oil. When growreprieve. There was hissing, groaning grumb- ing in the dark their odor is diminished, but reing, and every sign of disappointment. I must stored in the light; and it is strongest in sunny

The sap of plants is mucilarinous, albuminous, stensive boot and shoe factory in New York .- | and saccharine, in the alburnum ; and astringent, He had committed forgery, (then death by our or tannin, in the bark. The cambium, between

from hanging to in prisonment for life. He thus bonic acid, and also decompose it ; and, therefore, annual, and grows to 15 or 20 feet.

so that the iniquitous measure may be defeated.