# CHERAW GAZETTE

AND

# PEE DEE FARMER.

# VOLUME IV.

# CHERAW, SOUTH-CAROLINA, FRIDAY EVENING, MAY 3, 1839.

## NUMBER XXV.

#### M. MAGLEAN, EDITOR AND PROPRIETOR.

#### TERMS:

If paid within three months, It paid within three months after the close 

4 00 oloso of the year, . . . . . . 5 00 If not paid within that time,

A company of ten persons taking the paper at the same Post Office, shall be entitled to it at \$25 provided the names be forwarded together, and accompanied by the money. No paper to be discontinued but at the option of the editor till arrearages are paid.

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IMPROVEMENT IN THE BREED OF HORSES. It will be found on inquiry that good her. ses have been becoming gradually scarcer in our fairs for the last twenty years; and we find that many, of what was considered the most useful sort have now entirely disappeared. The breed is quite extinct .-Where for example, do we now find the fine short legged handsome cob, whose action and strength enabled him to go any pace, and to carry any weight that could ride? How few of the splendid carriage horses which were met with filteen or twenty years ago are now to be seen ! Nay, how few of anything really good is there to be met with ?

The breeders having parted with their best mares, are now under the necessity of employing those which remain. For these, perhaps, they look out for a good horse ; but whatever may be the good qualities of the sire, the produce will, in a greater or less degree, receive the impression of the dam. If she want size, or is defective in her formation it is a hundred to one if the foal does not exhibit many or most of her defects. The stock, however, is reared, and | clined to do, deny that the anterior extremi. general we are disappointed.

breadth of the forehead, is not to be overlooked as an indication of mildness of disis the best criterion to found an opinion on.

without these the progression is deficient fetlock, and the broader the better. and weak.

action is almost invariably low, and the ani- proportion. mals consequently unsafe; the feet also, various diseases.

is awkward in his action, and is continually mendations of every market. stumbling ; he is also liable to splints and injuries of the fellock. To insure accurate motion, the fore feet should stand, in a front view, parallel with the sides of the animal's body.

The feet should be sound ; flat ones, with low heels, are to be carefully avoided. But even where the hoof looks sound, if groggy. headed " LETTER TO N. B. STODDART," ness exist, the animals are by no means des rable to breed from.

For safety, pleasure, liberty of action, we look to the fore extremities; but for the power of action, our-at ention must be principally directed to the posterior extremities of the horse. I would not as some are in. may it is thought, turn out a good horse ; ties are concerned in progression , for, if by the rapidity of its growth, shows the shortand certainly we are sometimes agreeably we cast our eye abroad upon the face of ness of its life." To the first objection I surprised in the progress towards perfection nature, we are at once struck with the won. which some badlike foals make ; but, in derful accommodations to particular cir. cumstances in individual cases. In one, the into Italy and France from that country ; so In the selection, therefore, of breeding anterior extremities are almost entirely laid that the first objection to the multicaulis faile; stock, a fine sound eye, a pleasant counte- aside as useless ; wh le in others we find for, if the multicaulis was imported from a nance, with the organ of benevolence (as the | that they are the principal organs of motion ; | country so different from ours, so was the phrenologists speak, fully developed in the but in others, again, more especially the white mulberry. But, reasoning from anahorse, a combined and simultaneous action logy aside, I know, from eleven years' posis required. We find the kangaroo, on the session of the morus multicaulis, that it is position ; but the previous history, if known, one hand, hopping at an immense rate, upon | equally as hardy and just as capable of the best criterion to found an opinion on. its hind legs with the assistance of its tail. The most conspicuous degeneration is to carrying us mands in its pouches, which are be found in the strength and due proportion only used to support the head while feeding uation and soil. I have had it eleven winof the different parts ; the limbs and body upon the ground : but we observe the cameare not in harmony with each other, and in leopard, on the contrary, raised with his fore from the effects of winter. A single tree almost all there is want of strength. Let legs to a height which enables him to nip was given to Dr. Hosaca by Dr. PASCALIS, view; but let all have proportion. In hind legs nearly as short in proportion as planted it on his estate at Hyde Park, on the the form of the body we have a strong the fore ones of the kangaroo. But when North river, on a high bluff 200 feet above index of the constitution ! on the form the fore extremities are to be the organs of the level of the river, and exposed to the of the chest depends in a great degree the motion, they are in one case found bearing northern blasts. That tree remains there through the mazes of the fathomless deep. ticular circumstances, either the anterior or ces where the morus multicaulis has stood posterior extremitics may become the or. the winter unharmed, besides these cases, gans of motion, and that in the horse all are but it is deemed unnecessary. power and rapidi'y of motion we must have, growth shows the shortness of its life," is the in this animal well formed hind legs. In greatest recommendation that can be given connection with these, strength of loins and of the mulberry tree. It grows so rapidly length of quarters are of the greatest import. that we can plant it this spring, and get a with a velocity increased according to the ance; but there is a variety in the form of crep of silk from it this summer ! Is degree of exertion, it must either pass the quarters which must be looked to in this an objection to an American? Is not through in an impure state, and be sent to reference to the produce, because for gal. the speedy return of the proceeds of an inloping, a form of the quarter, and indeed, vestment the greatest recommendation that proper office, thus allowing the body to be- the whole leg, are required, which differ the investment of capital can have ? And come fatigued for want of due nourishment; from that best suited, or usually formed for suppose the 'rees were all to die in ten years, trotting. For galloping, the lengthy hori. (my old tree is now eleven years old, and no zontal or finely turned quarter, with lengthy signs of dying yet,) the returns they will thigh, are best adap:ed for speed; while for | have made by the "rapidity of their growth" trotting there is a greater degree of sloping will have more than paid for replanting in the quarter, which is less pleasing to the them. So that this second objection is diseye than the galloping quarter, and a rotund proved. muscularity well observed in all fast trotters. In all, however, this muscularity indicates great strength and action, more especially if it is observed on viewing the animal from tinue any protracted and severe exertion .- | behind, that there is a fine arch, from haunch | leled drought of last summer, the morus But there is a form also necessary for speed. to haunch, over his quarters, and that there multicaulis preserved its luxurance more in order that every part may contribute to is such a swelling out of the muscles of his thighs, that when measured across there eign. Indeed. the old trees were entirely would be a greater breadth than in his unaffected by it, and none but the very haunches. The limbs should then gradually young ones suffered at all, and even those approximate each other, tapering with the not as much as the majority of our native diminution of the swell of the muscles as trees. With us its large leaves are not they send off their tendons, until they reach more casily spoiled than those of the compensably necessary in rapid progression. - they send off their tendons, until they reach Without this arrangement there would be a the hocks. To this point the eye of the constant changing of the centre of gravity breeder must be scrupulously directed, beduring motion, and instead of moving in a cause there is no point of more importance less quantity of nourishing substances ; the and when broken, the fracture has a glassy smooth gallop or trot, the horse with a wide | in regard to action, and none so liable to | disease : the diseases, too, depending upon many distempers," &c. The whole of this water, but is easily melted by heat, and Unless the hock is well formed, there canwe generally have enough, but the breadth speed with a badly formed hock, it is never caulis leaves contain as much nutritive mat- subterranean heat, during which the bitunot be durability ; and if there is sometimes is often scanty. The loins should be broad for a long run. The most common defect ter as 100 pounds of the best of other varieand muscular, in which case length is an which at present exists is a liability to curbs, ties; that 80 pounds of t e morus multicaulis advantage; the whole trunk should describe such being denominated curby hocks; these will produce as much silk as 100 pounds of a sweeping natural outline formed by two are seen, on taking a side view, by the the best of any other kind; and that the gentle curves, the posterior being the slight- smallness of the leg below the hock, by the worms are just as healthy on one kind as Journal entitled " Memorial de l'officier duest, which is formed by the tail; unless we great projection of the point of the hock, the other, disease being caused exclusively genic militarie" was described the employhave the tail well up, it is rarely set, and and by a bent-like appearance at the lower by mismanagement in some form or other. animals with too low a set tail are never | part of it, with a greater or less tuberosity at | Let me quote another sentence from this good goers. But we may see a well formed the back part ; these hocks are also more writer ; and that it may not escape the attrunk, and still find some important parts liable to spavins and other diseases of the tention of the reader, let me make it the

looked in breeding. There is a nicety of sprains of the suspensary ligament at the | dolo ? Have they not lately preferred to | ered with a layer of asphaltum, procured is inclined towards the street, which allows adjustment and accuracy of movement ne- fetlock-joint. A wellformed hock viewed the common white mulberry with which their near Seyssel, in the Department of the Ain. cessary in all the limbs of the horse, which from behind, should stand with the toe of ancestors used to feed the silk worms, the In Paris, for the first experiment, a part might apparently be dispensed with in some the hoof, and the fetlock, in a line running Alpine morus, which grows even in the of the trottoir upon the Port Royal, was other animals. They ought, in the first parallel with the body, or, if altered from m st northern climates, and the morus mor. laid with Seyssel asphaltum; after two years' place to stand well, otherwise the motions that direction, the toe should incline a little etti, or machrophylla, which can be equally trial, this was scarcely worn at all, whilst on the cordons as the thickness of the layer of are either unsafe or awkward, and there is outwards. The tendon forming the ham- propagated both from seeds and from cut- the surface of the surrounding stones, which asphaltum, viz. about an inch and a half .-an unnatural strain on some part or other. string should stand clear and free from the tings ?" The princ pal power of progression resides back of the leg above the hock ; and the lif the reader has done reading this ex- offeet were very perceptible. After this exin the hinder extremities; but for safety, and back part of the leg from the hock, viewed quisite paragraph, I will just remark, that periment, a small part of the boulevards at the conveyance of the speed acquired by latterally, should descend from the point of the people of France and Itally have not ad. Paris was laid with Seyssel aspha tum; M. the propulsion of the hinder extremities, we it to the fetlock in a straight line, or if other- opted all the improvements of Verri and Pouloceau emplyed it for the trottoirs of the must depend upon the well-sloped, clean and wise, rather scooped out below the point of Dandolo, and that these improvements are Carrousel bridge, &c. In other parts of muscular shoulder, the strong and lengthy the hock than in the opposite form; the ten. only adopted in a very few large establish. France asphaltum has been employed also arm, the powerful shank with firm tendons, dons should be clean and well marked, and ments in either country, the mass of silk in the way of experiment, for covering the the well-set fetlock, and sound foot; the shank equal in breadth at the hock and culturists continuing in the old routine of roofs of houses as well as in several hydrau-

The limbs can scarcely be too short, if all others. They have not preferred the Al. tion of the fore-legs are, that either the toes tioned, but the shanks from the hock and posite leg, and bruises it ; the pasterns are, may be divided in due proportion, the fet.

In addition to these remarks, I have only accommodating themselves to the position to add that in breeding, it appears to me, and form of the limb, become very liable to that although good horses of any descrip. tion will always sell well and pay the breeder, If the toes be turned inwards, the animal strength and action are the strongest recom-

Sussex Agricultural Express.

THE MORUS MULTICAULIS. To the editors of the National Intelligencer.

BALTIMORE, APRIL 11, 1839. GENTLEMEN : A letter appeared in the National Intelligencer of the 9th instant, on the subject of the culture of silk in this country, which contains several statements deemed by me erroneous, and which I must ask permission to correct. The writer, L. T.," objects to the morus multicaulis -first, because it was " imported from a climate so different trom ours, which cannot stand the winter ;" secondly, and "which, have only to remark that the white mulberry itself is a native of China, and was imported standing the winter as any other mulberry winderer, when planes ters, and have not yet lost a single bud in the spring of 1830 ; the latter gentleman still, never having lost a limb or a bud by winter. And, let me here remark, that the white mulberry itself is not found north of that locality, except in gardens, and not often But although we have seen that, in par. | there. I could mention hu dreds of instan-The second objection, " the rapidity of its " L. T." next says that " the drought of some parts of Europe injures them exceedthis country. During that most unparral. perfectly than any other tree, native or formon white mulberry. "L. T." also asserts that the morus multicaulis leaves " contain a ed pitch, is of a black or dark gravel color ; worms fed with them are often subject to appearance. It is hard, does not melt in sentence is directly opposed to the truth. cools with equal rapidity. It consists of From the most careful experiments, it has lime and bituman, and its production is easily been found that 80 pounds of morus multi- explained by the solution of mineral coal by more conspicuous by placing it by itself pa.

heir forefathers, in spite of Dandolo and lic works.

thus raised from the parcel of seed, and nu. purify it, and in carriage. merous varieties, he selected a few of the

makes such blunders.

Now, I do know that the moreiti is very phaltum. difficult to raise from cuttings, and that it the produce from seed are almost as various as their numbers. I saw some thousand raised from seed last summer, and the varieties were too numerous to count ; the white mulberry, and a few like what are called the Alpine.

I must conclude this by assuring "L. T." and A to Z, that the morus multicaulis will never be superseded in this country by eith. er " Alpine morus," morus moretti, macro.

Notwithsanding the complete success of The most common defects in the forma. combined with the qualities we have men. pine morus, for they never saw it; it is an almost all these experiments, the expensive. American production, raised, it is true, from ness of Seyssel asphaltum has prevented the of clean sand will prove as durable a found. turn too much out or too much in. If turned out, the foot comes in contact with the op-posite leg, and bruises it; the pasterns are, may be divided in due proportion, the fet. at the same time, generally too long, render. lock should stand with the rest of the limb heard of in Europe. If particulars are de. by the company which has obtained the ing the strain great upon the tendons, and and the foot at an angle of 45 degrees, in sired, here they are. The Alpine mulberry privilege of exclusive proprietorship of the rendering them liable to disease; the which case it will be of a proper length and was raised from seed of the Moretti mulber- Seyssel asphaltum beds, its price will al. ry, by Mr. Whitmarsh, of Northampton, ways remain on account of the expense in-Massachusetts. Out of many thousand trees curred in cutting it out, me ting in order to

In Paris, Mr. Brilliante substitutes artifibest, and named them THE ALPINE ; and cial asphaltum for natural, with great sucthis only two years ago. This name never cess. He bays up at a very low price the was know in Europe until it was seen in biuminous remnants from coal thrown out American newspapers. Let me stop here of the retorts employed in preparing the car. tum is to be poured has become sufficient to ask what can be thought of a writer who | buretted hydrogen gas used for lighting the dry. streets ; to these he adds pitch, and melts

"L. T." also confounds the morus mor- the whole together in boilers, mixing it up etti and machrophylla, or considers these with earth reduced to a fine powder, sifted names as synonymous, which is another in- and dried, and at last pours it into forms in stance of his knowledge of the subject on which the composition cools and hardens.\* which he writes. He also says the moretti In this simple manner a material is obtained, sand and gravel which is to be mixed with n. equally propagates from seeds and cuttings. which has the same qualities as natural as.

The bituminous matter must he melted cannot be raised from seed at all ! The carefully, without allowing the fire to be. moretti being iself but a variety of the white, come too powerful, as it very easily takes fire. After it has been a sufficient time melted, a considerable part of the oily matter evaporates, and the mass becomes thicker. The degree of liquidity ought to be such small buckets, and immediately carried to most of them were evidently the common that it may be easily mixed up with the pul-white mulberry, and a few like what are verized earth. This should be done with placed within ten fathoms of the place great care, so as to make of it a completely where the work is going on, that the asphaluniform mass, in which the unassisted eye tum may not become cold on the way thitbshould not be able to distinguish the parti- er. The number of stoves must of course cles of earth.

phylla, Dandolo, alala, Calabrian. or any was at first mixed with the pitch ; but exper. on. The asphaltum is poured across the other. It has been fully tried, and found ience soon showed that any pulverised ma- boulevard in stripes of 2 1.2 feet wide. An teial would answer the purpose, only it must | iron rule is first placed perpendicularly to be thoroughly dry and very finely powder- the cordons, its height being equal to the ad The proportion in which it should be added is not as yet positively determined. At present four parts (by weight) of powder\_ edge of the cordon on each side. Theas ed earth are mixed with one of bituminous phaltum is then poured from a bucket, bematter. The forms in o which the artificial asphaltum is poured may be varied at will. For greater convenience of carriage, the of a wooden shovel it is spread over the size of the pieces does not exceed a cubic foot. The inner surface of the forms must ble in the spring. And now for the pruning be of polished metal, that the asphalunm may not adhere to it. M. Brilliante makes | be nowhere less than that required. At the use of cast iron forms. Asphaltum possesses a quality invaluable in the art of building; that of being perfectly impenetrable to water. In warm weath. layer of coarse dry sand or gravel is scutter. weak little boughs at the top. The tree er it is somewhat flexible, so that a slight inshould, in the first place, be budded very equality of the surface on which it is laid near to the ground. After it be planted, does not prevent its durability ; but in cold cut it down to within a foot and a half of the weather it becomes brittle. It attaches itself from melting by the heat of the sun, and strongly to any dry, rough surface, and does bud. In this foot and a half, there will be not allow water to pass through where it has been joined together by heat. Artificial blocks may be made of asphal. tum, and laid like blocks of stone or bricks ; but a preferable method of using it is, to at a suitable distance lower down. These I . ofit by its property of being easily melted, will in time become limbs. The next year and to pour it out upon the spot, in one solid top the upright shoot (that came out of the mass. It is generally useless, and only occasions unnecessary expense to have it very Its proper use is evidently to cover the the tree will get a spread. After this you surface of a pavement or building, when it must keep down the aspiring shoots, and is required to render them water-proof, or every winter cut out some of the weak wood, to give them a considerable as well as unithat the tree may not be overbuildened with form power of resistance against friction. For this purpose it is sufficient to pour bearing wood towards the trunk, cut some a thin layer from one to two inches in thickof the limbs back and then they will send ness, over the surface of a building, of whatingly." The fact is directly the reverso in out many shoots, and fill up the naked ever material, earth, wood, stone, &c., it places. The lowest branch of the tree may be composed, and in whatever position the surface to be covered may be placed. It is only necessary it be dry and rough. By this management, the tree is always in The usphaltum should at once be poured over to the full thickness required, as hot asphaltum will not attach itself to cold, aud ON THE PREPARATION AND EMPLOYMENT OF it cannot therefore be poured over in suc. cessive layers. It is equally uscless and unnecessarily expensive to make use of pure asphaltum; it it is melted on the spot where is wanted, and to one part of it are added three of dry, coarse-grained, hard sand, will harden at the usual temperature of the which has been first passed through a seive, in order to cleanse it, and to obtain grains of uniform size; it is then carefully mixed together, and this composition is used in the work. For the sake of brevity, however, we will sometimes call it simply asphaltum. I will now describe, as I witnessed it in Paris, the way in which one of the boulevards was paved with natural and artificial asphal. tum ; the method in both cases was precisey the same. One each side of the boulevard is laid a oordon of hewn stones ; the one towards the houses rather higher than the opposite one; consequently the surface of the asphaltum, extending in a straight line between them, coveries of the age. I don't know if you

water to run off. After levelling the ground between these cordons, a hydraulic beton is spread over it and levelled ; the surface of this must be as much lower than the top of had been laid at the same time, the traces When the beton is thoroughly dry, it is time to commence pouring the asphaltum upon it.

It may, however, be observed, that the beton beneath the layer of asphaltum has been more of lately found to be altogether superfluous. If the quality of the soil itself be good, it is sufficient to spread over the place a layer of the same kind of earth, then to level, tread down, and smooth it with the reller just before pouring over it the melted asphaltum ; where the soil is soft, a layer because asphaltum will not adhere to the wet surface; besides, any water remaining under it, not being able to evaporate, will freeze in cold weather, and consequently force up the layer of asphaltum.

In case of a sudden and brief shower of rain, the work is stopped, and the surface prepared for the reception of the asphaltum is covered over with mats, which imbibe part of the water. The work is not rense. ed until the surface upon which the asphale

A moveable s'ove is employed in the work, made of sheet iron, 3 1.2 feet high, and 2 1-2 in diameter. The upper part contains a boiler, which is used for melting the asphaltum, or for drying the coarse Around the lower part of the stove are drawers (or boxes,) used also for drying sand and gravel.

After filling up the boilor with one part of asphalium and three parts of clean and perfectly dry coarse-grained sand, the mix. ture is stirred up thoroughly, until it becomes a uniform mass; it is then ladied out into depend upon the extent of the work, and the In imitations of natural asphaltum lime degree of activity with which it is carried of the laver of asph upper surface even with and touching the ginning from the upper cordon, in order that it may flow down the declivity. By means whole width of the stripe, is levelled, and aided in its course downwards, or kept back, in order that the thickness of the layer may same time a hot iron is drawn along the edge, in order to unite it with the adjoining stripe already cooled. After this a very thin ed upon the still soft surface, and immediately pounded in ; this enters the asphaltum, and forms a firm crust, preventing it adhering to the feet of passengers.

size and strength, therefore, be kept in the buds from the trees of the forest, his bottom and durability of the race-horse ; it the eagle to the chambers of light, and in is the essential of his wind. The exterior the other forming oars, by which the monof the chest, the ribs and their muscles, and sters of the ocean are enabled to plunge the diaphragm, are the active agents in reepiration ; the lungs themselves are passive. Upon the mechanical formation, therefore, of the ribs, depends in a great degree the powers of respiration; they must be long and circular at the posterior part to form a required, still we must recollect that for large thorax. Unless the chest (thorax) be large and easily acted on by the muscles, when the animal is making great exertions, us the blood is then flowing through the lungs other parts of the system unfit to fulfill its or otherwise by the chest not being capable of sufficient enlargement to admit of the free flow of blood through the lungs, the animal becomes almost choked, by the inability of the muscles to enlarge the chest sufficiently and is thus on the point of being suffocated ; here lies the connection between the blood and the mechanical formation.

A capacious chest is, therefore, essentially necessary to enable the animal to conthe same end, we find, in all well-formed animals for speed, that the anterior of the chest is somewhat flattened on the sides, in order that the anterior extremities may be allowed to approximate, which is indischest would be waddling like a duck.

A natural elipsis should be presented in the formation of the part. the front view. On the other parts of the deficient; we may see a well-made body, hock joint. tended to in the whole machine. But it is a great length of pastern, and is liable to the composition hardens were to fix the dopted all the improvements lately introduc. The unst experiment was made about five of pitch the composition hardens very speedily, periments to ascertain if it were to fix the but without it always remains in a soft condi.

superior to all other kinds in all the valuable requisites for the silk culture in this country. Respectfully, yours.

### PEACH TREES.

Peaches are propagated by budding .--The stock should be of plum, and the tree is to be planted as young as circumstances will allow. The season is just when the leaves become yellow, or as early as possiand forming the tree.

The practice is to plant the tree, and let it grow in its one way. The consequence is that it runs up to a long naked stem, with two or three naked limbs, having some ground and always cut sloping close to a many buds and they will the first summer send out many shoets. Now, when shoots begin to appear, rub them all off but three. Leave the top one, and one on each side. top bud.) again so as to bring other horizon. tal limbs, pointing in a different direction thick.

from those that came out last year. Thus wood. If in time the tree be getting thin of should come out of the trunk at not more than nine or len inches from the ground. a state of full bearing ; always young.

ASPHALTUM.

Translated for the N. Y. Observer from the St. Petersburg Northern Bee.

Asphaltum has the appearance of harden. minous vapors arising from the coal are im. bibed by a stratum of lime covering the coalbed. As far back as 1825, 1826, and 1827, in the 7th, and 9.h numbers of a French of fortresses ; but in consequence of the limited circulation of this Journal, which is published exclusively for a corps of military engineers, asphaltum has but just begun to be employed in public works in France.

\*Mr. Leblanc, engineer of blidges and roads at Lyons, first discovered that with a mixture

The Asphaltum is poured out every two or three minutes, from buckets containing not above half a cubic foot each. The rea. son of the smalln sss of the buckets, as well as the narrowness of the successive stripes of asphaltum, is that one may have time to spread out and level it with a shovel before it cools.

In some parts of the boulevard the artificial asphaltum has been forced up and even split ; this proceeded not from the bad quality of the material, as some suppose, but merely from the work having been carried on in wet weather.

The repairing of a layer of asplialtone is a very simple affair ; it is only necessary to break out the injured part, remelt it, and pour it back again, uniting it with the surrounding asphaltum by means of a hot iron.

In England M. Cassel has taken out a estent for the use of artificial asphaltum. In this patent his mode of employing it is described at length; but it is much more complicated, and not a whit better than the French, for which reason I spare my read: ers the details of it.

Some have tried to make asphaltum from common tar, and with success ; but it re: quires to be boiled for a long time in order to expel a great part of the oily particles, and thus to obtain a consistent mass, which atmosphere.

Asphaltum may be also employed with advantage in paving streets and chaussies, being poured in a layer over the broken stone employed in Macadamizing.

#### From the New York Obvserer. THE DAGUEREOTIPE.

The following is an extract from a private letter of Professor S. F. B. Morse to the ed.

itor of the Observer, dated, Paris, March " You have perhaps heardof the Daguerrotipe, so called from the discoverer, M. Daguerre. It is one of the most beautiful dis-

recollect some experiments of mine in New Haven, many years ago, when I had my painting room next to Prof. Silliman's, ex.

these parts that are most frequently over- thorough-pins in the hock, windgalls and ted in the culture of silk by Verri and Dan- across the Bhone. The trottoirs were cor- tien