# Antrinltmal Ionmal. 

VOL. 1.
\$tate of Intimultural Iommul.
R. T. FULGEUM, Conduoung Editor and Prop'r.

OFFICE IN FISHER BUILDING
fayettevilie street.
, DOLLARSS PER ANNHM.
terans case, myarlably in abtancer RATESOF ADVERTISTXA


TH. FIRST-BORN.

> Tread revirenty, this is a holy place!
$A$ sool thbs moment here beefins to be A spirt born to tive eternally:
> Speakk lowt commences hare a human race An infant-man, God's image on his face,
In life's rough journey takes his first degr Opens his evees, ah! not the end to see, Only Omniscience all that path can trac Softly in whispers; there a mother hies,
The dew of youth upen her, yet so pale
> She folds white hands, and looks, with upturned eyes,
To her Deliverer, seen as through the vall To her Deliverere, seen as through the vail
of this bour's we taness; still, her full heart of this bour's we ikness; still, her full heart t
For thankful utterance, though words nayy

gegartant of formature. C. B. DENSON;

Osage Dirange Kedges.
We surrender part of our space this
week to consider the uso of t $=$ Csech


## the inquiries recently sunt It will be understood that it

operations daring the presen
may be as well to discuss the
paratory to autumn planting
The Osage Orange, or Maclura, is a native of Missouri and Arkansas, and in that region may reach the height of sixty feet, while it may be grown in less dimensions all over the to the shores of Lakes Erie and Ontario. In the tarther north, however, it is planted
on poor ground to avoid winter killing of the late formed young growth. If allowed to grow as it may list, in ten years from the seed trees may be obtained of twenty-five fee
in hight, with an equal diameter to the sweep of the branches. An interesting peculiarity is its method of branching, downward, upward and laterally, and the roots have the same pe-
culiar mode of development. The foliage is yellow-green, bright on the surface, not unlike that of the orange, with leaves single and al
ternate, and distinctly pointed. If trees with pistillate blossoms are planted near the stami nate, fruit is produced similar to the orange and very conspicuous, bnt unfit for food. The plant is a handsome lawn tree, and valuable for its rich and many effects in landscape gardening. Perhaps its chief defect lies in the fact that it is so late in putting forth its leares; fut there is a partial compensation to be but in the tenaeity with which it resiste the found in the tenaeis of autumn.
It is remarkable that the extraordinary par It is remarkable the character of the vegetation of the Southern States which I-Japan presents, borne out in the case of the Machur, as anem with trilobed leaves, hence termed M. trienspidata It is curious that our Maclura, when first ear ried to England, was supposed to be very tender, and it was sold to be used for
of the leaf as food forsilk worms.
But to come more directly to our subjec The need of a reliable growing feniee has long been felt by the farmens of the country. The hedgerows of England do hot orily form the most poetical part of her landscapes, but as they do away with theever-recurring expense they do away with theor of fencing, they add notinconsidera,

RALEIGH, N. O, SATURDAY, JUNE 14, 1873.
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ble amonnt to the wealth of Albion too. But cattle, at least one year sooner, than if planted our hot climate, open to the direct eye of the on a cead level. To render it entirely safe and sun for months, and lacking the constant clouds and rains of the Britieh Isles, is unsdapted to the use of the varieties of thorn so valuable, there. Two great plants supply our demands-the Gleditechia, or Honey Locnst,
in the North, and the Osage Orange in the Sonth. In the West both of these are nsed and also heavy screens of Norway Spruce and Arbor Vite are planted.

Wherever a high state of farming is found, hedges will be seen. They repay their cost, because they are moreeconomical than fences, especially in a term of years, for a hedge will
last a hundred years, and there are last a hundred years, and there are many good
ones in the south now which are forty years ones in the south now which are forty year
old, while it is not reasonable to expect a post and rail tence to be really servicable after fif teen years. Hedges effectually keep out in
truders, and are important to those who plant truders, and are important to those who plan grounds to be secluded from impertinent in trusion. The southern side will farnish, by its protection from the cold winds and reflec a hot bed, and earlier vegetables may always be obtained by planting there; while on the orthern side many very beantiful flowers may be kept safely in the shade, either plan ted in the ground or ranged in pots upou low stand. Alpine plants may be so preserv
ed that would die anywhere else in oirr cli mate. Laatly, and what concerns our depart ment closely, hedges may be made exceedingly
beautiful-verdant framework for the gay beautiful-verd
picture within.
How shall we procced to obtain a 500 to be of limited length and for ornamental put poses, or $1 f_{e}$ it is to be a famm imited length and fo

 soil is natu!
tle rough
frost. Our
have no tronble.
a fine unifom hedge, and the soil is donbtful
or very poor, timging a trench two spades deep, throw-
ing subsoil to one side, and the surtace earth ted manure. Now plant stakes in the direction you wish the hedge to run, and stretch a
good garden line. Make a twenty foot rod, good garden lie. foot. Place this near the line, removing as may be needed from the, dibble in your plants opposite the chalk marks twelv
inches apart, pressing the earth very light the plant
After all are planted, go up and draw the line, tramping them firmly, and in such manner as to give uniformity of divection. Th the ground. If you plant in spring, it is well to defer filling in until the trench has ryceived a good rain; then cover, and the young plants will be in better conditio
It is folly to attempt to grow a hedge by planting seed on its site. The seedlingo wil e too irregular to be depenis opor cost in time and trouble of a regular ornamental nursery, where this article is always cheap. One year old plants will do, but No. 1 two year old plants are the best. As to the distance apart, if the soil is poor, they may be placed, uloser than if very rich, and the space may vary
from eight to fourteen inches. The plants are usually sent in bundles of 100 each, some times repacked in bundles of 1,000 each, with the stem cut off four inches above the root The plants appear to be dead, and sometime look yellow and stirivelled, but they are only biding their time. Should an exten sive hedge be required, yot will prob ably wish to grow it of greater width and height Manure ony poorspots along the ine. Break up the land for ten feet in width elevation that will make your hedge effective against trong, a double line should be planted. With s ong dibble, that is iron shod ; make your ho s about one foot apart, keeping the line of
stakes that you will drive ta indicate the hedge line. Of course yon will stretch a line and will press the earth around your plants well up to them. Set them deep. So much for the first sten
The hedge is now begun, and here is the point of failure. We are not willing to give the necessary labor to do justice to the work and so it fails. The hedge should be thoroughly cuitivated, and allowed to grow at pleasure
all the first year, weeds being kept. away, and all the first year, weeds being kept. away, and
the whope treated at least as well as a row of corn. We are through the first year now and the plant has acquired strength to shoot up rapidly in the coming year. When spring comes, cut down the plant to the gronnd, leaving.only any side shoots that may appear rom bolnw the surface. Cultivate just as you did the first summer, except that about the niddle of June, you may go over the hedge, citting back the perpendicular shoots to eight iches fromsthe ground, but not touching the side shoots. This is a check to the vigor of he central shoots when performed thns i srminer, when the vital powers are in great
activity, and it is designed as such, to give the activity, and it is designed as such, to give the
side shoots time to catch up̆, as it were. In side shoots time to catch up, as it were. In
either the November fullowing or the Februeither the November fullowing or the February after that, cut off the plant to abont five
inches fuom the ground and shorten the side inches from the ground and shorten the side
shoots $\frac{\text { ? }}{2}$ very little, to induce them to throw out more of the fine lateral branches-any
extraleng side shoots may be reduced to uniormity with the others
THe a tment after that must depend upon . you wish to obtain. In peor or soils it may be allowed to grow
and in good soil one foot yearly, are attained, for the usual hedge,
ery large and long one. But
 The roots will spread, as es
Certainly, if the plants are at all healthy, the roots will spread, but it may be remedied by
running a coulter pretty deep within three eet of the row, about twice in a year. Al ways be careful to keep the top in order, c soon as the top gains the advantage, and begins running up to the original height of the Osage Orange, the side branches droop at once, a eem to give up their activity of growth. Keep the shape conical, or nearly so; the the hedge is cared for, the investment is good, and worth all the time and money it requires strictly in a pecunia
many other reasons.
Its use is rapidly coming into favor; and the statistics of the subject are very interest ing. An Ohio farmer, in estimating the cost says that for 100 rods, the plants cost him $\$ 13.20$, preparing the ground and setting the
plants $\$ 4$. Total, $\$ 17.20$ per 100 rods. For three to five years after planting, the hedge will requireas much labor as would be expend ed on a row of corn of equal length, afte which it turns stock better than any other kind of fence. It is trimmed then roughly th a mowing ecythe, one man trimming 15 200 rods per day
The statement of $i$ ts abundant use in Dela ware is well known. In one county (New Castle), contai ing only four hundred and twenty-four square miles, there are more than one thonsand miles of hedge of Osage Orange and some of these hedges, in spite of the ground they require, are used to divide fields wher the land will bring $\$ 200$ per acre. Its, use also extending, as we know from personal experience, among the progressive farmers North Garolins, and the day is not far distant When thousands of miles will be set within onr borders, and the old worm fence depart along
with bther equally unshapely and unsightly elics of the pest:
Should any point, remain ansettled, bur riends are requested to write freely to the Editor, atePittsboro, whose business it is to stapply 宜edge Plants with his Ornamental sapply
Stick.

## June and Roses

y "daisy eyebright.

There is no sweeter word in our vocabulary han June, for it is the prototype of beauty, T
To us it fulfills all the poet's promises and praises of the Spring-for Spring is but a myth in these Northern climes until June appears, and then weall rejoice that
"There is no price set on the lavish summer,
And June can be had by the poorest comer."
June is par excellence, the month of rosesthe month that seems freighted with their richly colored and delicionsly tragrant flowers. How perfect they are! How replete with al that is lovely, rare and odorous! Can an other flower compete with the spicy Damas Roses, the creamy Lamarque, the exquisitel fragrant canary-hued Marechal Neil, the per fect Madame Margottin, the crested Moss, and hundreds of other varieties possessed of the rarest perfumes, and the most lovely hues Truly

"Roses are of royal birtb, Loveliest monarchs of the earth!<br>Loveliest monarchs of the ear, Not the realm of flowers alone,<br>Not the realm of flowers alone, But human hearts theerr seepter own. Mark what flowers the madeqn's hand<br>Sark what flowers the maiden's Gathers for her bridal band:<br>Gathers for her bridal band:<br>Round the grateful suffererer's bed Rol What with hoiliest light illume The grief and darkness of the

The rose family embraces a large list; there over eight hundred varieties of selected ach and there are twenty-six sab-families each offering peculiar attractions, and particn arly adapted to some one location.
A Rose Garden, containing but a few spec
imens of the richest varieties would afford a imens of the richest varieties would afford a
great amount of pleasure and delight to its owner. Few of us realize how much enjoy ment attends the labor expended upon this kind of gardening, when every day bring omething new and attractive.
Roses are divided into those which blossom wice, and sometimes thrice, such as the Remontants or Hy begid Perpetuals; the monthly
Roses, wifich arectin mans. every location. Some of the Hybrid Perpetuals are hardy in most latitudes; others require some protection in the winter, such as sods o straw. All the monthly varieties are tender but will live out in a southern climate, and they can be kept at the north in pits, or in boxes, packed closely in dry earth, and placed in a cellar.
The China and Tea Roses are profuse bloomers in their native climes, and grow to the size of large trees. In California they also flourish lnxuriantly, and are covered with masses of flowers, opening fresh buds every morning which are perfecty beautin, but the full blown flower are no Rose Garden in California is a glory we of the Atlantic shores know little of; and floriculture in that golden State has but few drawbacks, and a great ainount of enjoyment. Beds of Bon Silene Safrano, La Pactole, Cramoise, Madame Bosanquet and Marechal Niel càn be relied on for a full supply of flowers from Christmas to the following November.
Roses require the richest of soils, are gross fally repay all the care and labor expended fally repay al
A rose bed should be dug down, at least two eet, and as much manure added -as can be mixed with the soil. It must be thoroughly decayed, and thoroughly mixed in. Leal mould is also their favorite food, and they also delight in mineral fertilizers; the debris of the rocks seems to contain elements which are essential to their growth. With such a
fertilizer, I have made a Moss Rose grow siz feet in one year.
The state entomologist of Missouri says th the only way to g
for and kill them.

gainst them.
The Oanadian way of measuring s
said to be hs certa
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tance from the fo

