A Fanily Journal, devoted to Agrieulture, Internal Improvements, Literature, Science, and General Intelligence.

Vol. 1.
TORONTO, FRIDAY, MARCH2G, 1847
NO. 5

ludding.
We have passed on er that portion of Mr Dowang's treatist, which treats of the mude of producing ner waritus. Dr. Sian Mons theory of obtaning them from the seed by constanty re-soumg, is a process that requires years to complete it, and few will have the patience to enrry it out. The practico of ewase-brecding introluced and successfully followed by Mr. Kimght, the most distinguished horticularisi of the sase. and for a long time Presideat of the London Hort:cultural Socaty, is a more drect nad more scirnafic process, but it requires more care thats can be gitento at by any but amateurs, atad hing $w$.il peicmilly resort th.
uhose worhs whind consam full information upos the subyect. The varietes we nirendy have, are sufficinaty numerous to afford abundant matroinl fir titr most fastidious frait grower. For the mifurmation of our readers on this point, we subynin a list of the rarieties recommendrd by the Commattee on Fruits of one of the Horticulural Socieues in the S:ate of New Yurh. The clunate and soil of thas State, are not very ditherent from ours, and liose hinds that founsh there may le expected to do well here.

מeвbisg.
Budling (saculating. of the oll authors) differs from comming griting not the least in its afture or effects. Execty hud is a distinet individnal, capmbir of becoming a irer under firpourable circumistances. In grifthe, wie - considernile guanatity of burh and wood: white in hadding we employ but $n$ xingle bud, with i rery small quantity of the adjoining bart and wimol.
The adrantage of hudding fruit trece, compared with gimitug, are so considerable, that in shis country it is tea time as much prictised. These are, first, the gremu mpility with which it is perfirmed; a shilful, budder with a clever tog following hime to tic the vards. being ahbe to work from a housanad io twelve humilred young nursery stocks in a day- 2nd. The mare conrerrient serison at which it is performed, in all countries where a ghort spring crowds gnaden lmbours withia a smand apacc. 3 rut. zeing able to perform the operition withoat injuring the stoch in case of failure. which is allways more or less the case in Hocks hrnded down for armining. 1th. The opportani:y which it affions, when performed in gooil scason. of repeating the triul on the same slock. To thrse we many
 and she like, sia these require exira whill in supting, bot are buadded wrth great emec.

ries, Apricots on Plams. Aprirots. Para
 Trers of consideradte sis" will require bud
 the operation is alk:ys, ned oble prrformed rinen the wark of the stark sepurates ficely rent years growth are somewhat plamp, and the young Wood is growing firm. Jount
stochs in the marsery, of thent phansed out in the mows in the sprang, atal budded the same summer or namanan.
Before commencing you should pronit yoursidf with at budding hisif., fato.at four and a half inchrs long.) having a rounate
Hade at oue end. and an ivory watag in a than rounded dge called the haly marage in at
at the other.
It choosng your buds, sellect thrifty shoots thant have nearly done grouing, and prepare what is called stict. of butls. Fios. $s$ by cut hing of a frw of the innperfect buils at the lower, and such as may bin yet too oft nt the upper ends, leaving only smooth well d.vel ped single hads; double huds bring frant buds. Cut of the lenves. nllowing nobut hat nu inch of the fope-stalks to remain for con-
veniently mseriume the buds. venienty insertung tha buds. Some strands of bass-manting about inelve or fuartect inches long. pretiously soikhng ta water to render thrm sofe and plaible, (nr in the abscuce of these some soft wollen yarn,
nust also be at had fur mast also be at hand for tying the buds.
Sturdd or $\mathbf{T}$ buidhng is the most approved mode in all countrics. A new varicty of thes method now grucrally practued in this comatry we shail descrite first as berng the sum plest and best mode for fruit trees.
Anerican shicld budding. Hating your stick of buis ready, choose a smooth jortion of the stock. When lie latice is small, iet it be near the ground, and. if equally conrement, nelect also the north side of the stock. as less exposed to the sun. Wake an upnght incision in the bark from an mell 10 an incl and a hall lung, and at the top of this maic n cross cut, so thar the whole stull form a $\mathbb{T}$. From the stich of buds. your huife being rery sharp, cut $n$ thin, snoonth slice of wood and bark containing $\Omega$ bud. Fis. $9, a$. With he ivory hafis of yourbudcing hnirc, now rawe wide enough to admit casily the prepared bud. Takias hold of the footstalk of the lenf, insert the bud ander the bark, puehing it centy down to tine hortom of the incision. It the upper portion of the hud projects shonve the horiznotal purt of the $T$, cat it singothly off now, so that it may completely fit, $b$. A bondnge of the soft matting is now tied prety Grmbly orer the whote wound. Fig. 10, comand the foiostiall of ihe keaf ouly cxpoced io the light and air.
Comonew sield budding. Fiz. 11, practhe foregoios porty in marope, differs from monal
bod.
haif,
onity
aning ino mion an follows; Phetion Cher-
the wond at the lower extremity, and then raising nal drawing out the wood by beading it upwart and downowird. with a slighta jerh, until it is loosened from the burk: mlways taking care that $u$ stmall portion of the wood re-
 or heart of the imd. Tlte buil thus prepured or heerseried precisely as betiore desceribed.
That Americun variety of shietd budding is found preatly peferable ta the European metase. at least fir this climate. Many sorts of frui trees, es, tecially Plums and cherries, nearly,
manture their frowth, and require to be bud. ded in the hottest pirt of our summer. In the old method, the bud hating ouly a shield of hark with but a particle of wood in the heart of the bud, is much more liable to be distroyed by heato, or dryyess, than whea the slice of woud is left beliind in the Americinn sure of Trahisg out this wood is always an oppration requiring sone dexterity and practice as few buds grow when their ege or heart wood is dumaged. The American method, therefore, requires less saill. cann bo ione enfuruca in unch wios youger woil? fruly wore sucuciful it bes is unifurly tested upon humdreds of thousands offruit trecs, in our gardens, for the lint twe aty ears, aud, although nouctised Euglish bud ders comme here, at first are greaty preju-
 ore of the most essential features in the old mode, vet a fair tral has never failed to coubace the:a of the superiusity of the new.
Ajler treatment. In two weeks after the operatian you wall be able to see whether the bud has thenen, by its plumpness and fresh aess. If at has talled. you mat, if the bark still parts readly, mahe athothertral; a clever Hader sill nu: lose more than tio 8 cents. If it has succeeded, after a formight soor has elapsed, the banduye most be lowsenen. re if the stoch has swelled mach, it shound be remod magern we wadmg ha bely fuand it an ndrantige to leave the landage midy found it an navialage to leave the lanadag a during the winter
As soon as the buds commence swelling in Are casuing spring, head down the stoch with a sloping back cut, wratan wo or thre inclies of the bud. The bud will then star iagorously, and all "robbers," as the shoot of the stock near to nod trelow the bud are rmeed must be taken off from time to tame To secure the upripht growth of the bud nisd to prevent ats being broken wath the winds, $\mathrm{it}^{2}$ is tued when a few meltes long to that portion of the stoch left for the purgose Fig. 12, $a$. Abvat madsummer, if the shoot is stroage this supfort may be remored, and he superfluous portioa of the stock smoothly cut antay ta the dotted line. b. when it will ve rapidly corered wath young bark.
We hare fuand a great adiantuge, when buddang trees which do not tahe readily, on aduparas Mr. Kumpht's excellent mode of tying Wuth two distunct bandages; one covertug that part below the bud and the other the portion above it. In this cnee the lower band"ge is remored as soon as the bud. has tahen, and the upprer left two or three weehs longer. This, by arresting the upper sxp, completes the union of the upper portion of bud. (which in plurns frequenty dies, while, the
parat is united.) nud secures succes.
Recersed sheld budding, which is nothing nore than making the cross cut at the bot tosn, instend of the top of the upright: incision in the barth, and inserting the bual from below, as good deal practixed in the sooth of Eu-
ropes sut we hase not found that it poo sesses superior merit for fruit irecs.
An ingenious applcation of budding, wor ring the atuention of nraxiear caluwatora, con wood-bud: when, if the opermion in carefal 5y done, blosmms and frait will be produced Pear. thongh we have ofen sace wiht 2 he the Pach. Blomomits ire rewdily ditio gurshed, is soou wis well forned. Ly, their roundecta, and ia some trees by their prow iag iapurat, whit wood bude grow ciaghy, Men in Spope
brautiful fruit the next summer. The bud, benatiful fruit the next summer. The bud,
in such cuses, should be inserted on a favourable limb of a bearing tree.
Alumular bulding Fig. 12, we have found a valuable mode for trees with hard wood. nud thick bark, or those which like the walnut, have buds so harge as to reader it difficult To buid then in the common wing. A ring of groing the stock, $a$, and a ring freety, is taken roin the stock, a, und a ring of correspouding size connmining a bud, $b$, from the scious. If the hatur should le too lirge a piece must be thenea from it to make it fit; or should all mes extend only three fuarths the way round, to sut the ring of the bud.
An application of this mode of great ralue occasionally occurs in thas country. In snowy winters, fruit trees in orchards are sometimes girdied at the ground by fiedd mice, and a growth of wenty yrars is thus destroyquite round the iree. To sitie such a tree, it is only neecessary, ns soon as the sap rises diporously in the spring, to apply a new ring of bark in the annular mode taken from a ranch of proper seze ; tymy it firmly, coverny it with grafting clay to exclude the uir, and famaly draming up the earth so as to cover the wound compictely. When the treo is too large to apply au entire riag, separate pueces, carcfully fitted, will auswer; and it is well to reduce the top somewhat by pruaing. hat it may nut make tuo large a demand ou the root for a supply of food.
Budding may be doae in the spring as well as at the latter cond of summer, and is frequemty so performed upon roses, and ther ortameathal shrubs, by Fronch gardea crs.
The Committec of the Horticulteral So ciety of the Genesse Valley, being requested o select a few of the lest varieties of apples und other fruits, made the following re ply. We give the list of apples only :-
In complinace with the nbove suggertion. the committer present the following list. In doins so, they wish to state. that they hrve s have been satrsfictonils prored in this section.
So great is the diversity of taste, in regard othe merits of fruits, nad so numerous are we excellent varieties from which to choose. hat zhe comumate have experienced some difficuity $\mathrm{m}^{\mathrm{m}}$ ado owins.
There are, no doubt, ninny other varieties as good, and, in the opinion of some, perhaps are unauimously a arred char the comimeo of this solection is berond $n$ doubs and then the whole or a pritas circumstumes quire, mas be cultrated with entire confiquire, 1 denc.
The names of the kinds are placedin the order of ripening.

APPILES.

| Summin Arpuxs-July ami Seplember. |  |
| :---: | :---: |
| Eeaty Harvest. | Sweet Bought or |
| - Stranberry. | Yel.uw Bongh, |
| Red Autrechan. | Golden Sweer |
| Fall Arrisi-Sepienber w December. |  |
| Early Joe, | Graveakein. |
| Porier. | Finl Jeaneting |
| St. Inwrence. | Hollawd Pippu |
| Jetwey Sweet. |  |
| Wintar Arples-December io Jmme. |  |
| Twenty ox, | Rinole Island Gre |
| Famnce, | Exnpin Spinamer |
| Red Canada, | Emhlwia, |
| Peck' $\times$ Pleasant, | Girea Smeotim |
| Yallow Bellower, | Northerp |
| Straar. | Rrxbnri Mrumet |
|  | Yallow dewlen Pipria. |



