## From the Alliny Cultiator.

## "Kinowied;e is Power."

Ihe charanteristic of the present dav, ta refor. mation and general miprovement th the ayri ulturid doproment-a: the sramess and arem general dillusum of agricuhtaral and semotutic knovilodge nad bv "clevation and refinement an Malloct."
 gowomateratendestaner, that we atre to beceme urquathed with ther ature nud compoumon. War Nomeres in perfinemage expronen's, depends on our himendodge of he an'manter 3.
We can wee great defitency antong our mist practical farners, in the deparment of scientific knowledur.
There as a very errone mathen, whin hathor.
 munty and wheh has too lony wound its serpen. the conds arobul is abetors, and hat bren a mighty barrier to miprovement in agreuthere, th. it a farmer " needs no more kimwledge thon is necessary for lant to read and uruc and heep hat at -

 gener, and in the e:huhonod ige, we are tught diffirent. Oir fithere, we hnow, hed hor pour facilues for acyurnatig koovledere of any kund; and they rased greater crops thit we d, at the present day. There are many of our bout farme, for wheat growiag that have ben wan ler the fow," as it is termed, urtal they have becone completelv inpowerohed; and then thev are


 piwhed? I answer he arnfirial and.

Iht this equmet be done hy t - , who comater oumblves goud practical fammer, berauge we hive been thughto fllow in the foresteps of wir pre-decessor-mur faher, whe kanw it othng of the a"credicuts of the soil. We have not knowli low th analyze the difin rem soile, nor to he tian what plimts will thrive most vigeroudy on a riven soil. If we attempt his, we find soon, we are incom* petent to the tash-and deficient in all the unces. ry knowledge upon whith w moy furm a correct judgement or arrive at a correct concluczon.

For cuery reflecting mund must know, that after a farm becones so $\mathrm{mm}_{\mathrm{i}}$ Drerished, by a scricy of exhausung crops, aud cxhausted of all its nutucious quadiues, whinch artufinal ard only will restore, that it requires all the knowledge and skil of the most profound and scientific to restore, in part, the soil to the state which nature gave it ; and cven then, it requrest the must systematuc and ju. deious course of mongement to arcomphsh such an undertaking. A funncr should have more knowledge.

But I would not be understood that he should be a collegelearned man, nor have him pursuc a classical course of stuily. But he should understand the sciences, partcularly phalosophy, chemistr;, botany, geology, ice. By pursuing the scirnece, the powers of the minl are unfulded and drawn out into action, and diereby we are rendered cinse and profound thinkers, critucal and scientifie mvestigators, and close and exart reasoners. Aud furthermore, there is a pleasure in pursuing the sciences whech nono but thoso who have expenenced it, know how highly to appreciate. If a person becomes well versed in the sciences, he enJoys many pleasures, to which he who is contented coremain in ignorance, must ever remain a stran$g^{n T}$ It matters not whether an individual designs in necupy some concpirnows station, or is follow
|he hum'te a ceapmion of an arnculturist, ho neredy a well cultrated mind. Il noeds that knowlelga whel will enable lum tolearn by actual esperiInיy, what sota aro bettor nd ytell to the graw. me if $w^{10+1}$, \&

 the fort exper is '. If whallkiow the wethe

 ure lo: its that composer them.

The armarey unduestionably reflert $n v$ ist $\#$ m mat of lath on these, which are as ye, herl.
 if rughte apprectated, be profurtue of an monats amount of grod. And bevidey there always appears to a verenufic umbl, even m the amillest plants somethong thint is culeulatid io cxpese the mand, and which strikes it with awe.

> A. E. A. E.

## Salt for Stock.

Catle of all descriptiona, away from the sea baird, should te turnshed hiberally at thes semon with salt. It has a powertul tendericy to correct the bad effects of green tudder, and is higaly ad. santageous to the aumats healih. It is an cruedlent plan to have boaes constructed to a shed or vat-bulding, where it may constantlo be kept, and where tho catte can have frec access to it at all times. Swane that are kept mostly on fresh frod, such as roots, apples, \&c., with but little atasoned food, require salt as often, and are as find of $t$ mits simple state, s as much benefitted bvit too, as the sheep or cow. We have found, by revent expenence, that a store hog, confined to fresh food, will eat an average of one pint of salt per week. Farmers would do well to attend to dias propensity in therr $\qquad$ -lependanis, as by din free use of salt, any of unse fuarful dise nes, 1., wheh hoys are subject danig their confitument, would be amelinrated.-Yankee Farmer.

## From the Genesee F'armer. <br> GVintering Esees.

Mr. Tucker-Igreeable to your req:acs:, : called on Mr. Eggleston, and obtaned from hum the following statement of has meihod of wintering bees, and the success atteading it.

In the fall of 18337 , he buried 30 or more hives, and the following sping they were taken ou: without the loss of any. In $19: 3$ he bured 10 hives, with the same success, but lost 7 or 8 hives of bees that stood in his bee-house through the winter. He says that he finds very few, or no dead bees under his hives that are buried, and that they winter on much less honey than when left in the house; some small swarms have lost but 3 lbs. in weight in wintering, and the largest but lulbs. He has buried his bees or some of them, each year, for four years past, and has not lost a swarm that was buried, and shall hereafter bury all that he intends to winter; he has now about 40 swarms. Another fact-those that are buried do much better, and swarm much earlier in the spring.

Mr. Eggleston's method of burying his bees, is to dig a shallow trench in the ground, long enough to set the No. of hives he wishes to bury, with a gentle slope in the trench, to carry off the water, if there should be any collect, and then place the hives in the trench, rassed a little from the groand, by a small stone under each corner of each hive, then covers them with straw and lastly with dirt, to use his expression, as you would a pile of potatoes, so deep as not to freeze under the hives.
As to the success of Mr. Egrleston in preserving bees, as described above, there can be no doubt, as it is known to all his neighbors, who (if necessary) will certify to the facts as stated.

Yours respectfully,
Anson
Anson AxDrews.
Readiag. Aug. 20, 1839.

It is a mistaknn notion which is ontertainod by many, that in ordor to make any considorahle advancemont in knowledge, it ir nocessary that the $r$ whole tinne should be dovinted to atu. dy-that manual labor should bo abandonod. and that tho litorary aspirant's only hopo tior ancecss is in ganing admittanco to somo pro. fusumon Ho tson teachos no such doctrino-oxperience proves no such doctrino 'To practieal, hard-sorking nechanics an. larmers is the world indabled fire in uy of the brightest litors. ry geins aud moat profound and seiontific tros. tisew oxt ant. Witness our Burrit-ilie Black. smith-of the presont day-our Frankin of olden times-Dloomtiold, Burns, Aikensilo, and n host of othors. Wo trust the day is nut far distant when notions so incorrect and mischer. vous will ceaso to oxist, und when we may point to those who are tooling in the field aud the workshop as men distinguishod for their litern. ry attamment and fiorts -N. B Wecheme of Fnrmer.

## Care of Farming Tools.

We bolievo it may safely bo assarted. that the farmer in a courso of years sustains as much loss, or is put to as much exponso in procuring tools. by ther diecay in consequence of nead. less oxposure, as fivin their acta d woar on the farin. Huw many are the instances in whita the firming imploments, the pows, isrrous, roller, \&c., inste d of be ng carefulty housed when their use for the year is ove, are left in the fields, ur eradvoitur drawn up in bittle array in front of the house, occupy"g a golly portion of the road, and whon coverel with snow, forming most convenent pla ces for breaking horses legs, tearing of shoes, \&c, \&c. Purnaps, in addition to these, iro sundry wagons, carts, hav racks and othor nocessary things, like the formor, expovol to the docay whin inast result from expusure to the rains, tho feezings, thaws and snous of winter, Now, nene such roason uf expmin e does more to weaken tho wnod of therd in. plemente, promote decay, and ronder now purchases meedful, than their ordinary woar on the farm, with careful usage. and protection fron the weather. As a general ralo, it may be remarked that no imp'oment, tool or car. rioge of any kind should be exponed w':en nur in use. I hose not wanted in the winter should be socured from the weather durngr that time; and no with those not regured duaing the sumwe: season, as slem'is, steds,区.c. lho skillful, thafy farmer is knuwn by tus attention to the minor prints of ag ic.tlturo, by lus care to sive. as woll as io ac. quiva; and ho who neglorts the lesser thungs eannot fail to find tho drawback on his profils laigo and constant.-Genesce Furmer.

## Expeximents.

Forly yoars passed awny afier the Sennach was cultivated by a few of the woalthy, hefura it was offered in the cily maskets in tho United States. Rhuburb or pic plant, was nlmost as long coming into f.ivor, and the Tomatr which is ono of the most wholesome and grateful of vegitables, is yet but partaily known among farmers. Wo know a farmer who only a year or two since, destroyed tomato vines for tear the frait would pois in his children and pigs. His. tory tells us. the French physicims condemned potatocs as poisonous, after they had beon extensively used a hundred yeurs. Our finest frusts have been producedby experimenting with trees which boro what wasunpalatable in a wild state, and even some of our most splendid flowers, when in the $r$ nativo forests, are by no means sightly. Tho Empress of China ascertaned the modiss operardi of making salk by experimenting with disgusting worms, on the mulberry leak, and ruy wo not suppnse, experiments will yet bripg into use many things moro unirorsally rejected. iet no our baafrail to exporiment, for it has been by experimonts, all diacoveries in tho arts and sciences have been made.-Ten. Agr.

Ico on door st p3, mar ha casily romored by throwing salt upin it, which will cause tho ies

