markot quotations for tho best wheat that is bought and sold here．It mas bo that Mehigan cannot rase as gool wheat of this kind as wo do．That point I cannot determine．Dr J．H．Jerome，of Saginaw City，mar lave some ralsed from Michigan－produced sced，he having raseel this kund of whest ior two yeara．
I l ll only add that quito likely there will be sown ten bushels of（lawson $n$ heat in this viennty to one bushel of all other varietice than fill，and I thank．M．Fhitor，that after you haver read thas，paper you will think that＇mas doing no wrong in spenking well of this Clawson wheat when it first appeared．
Can its orignal good quahites be kept up，or must it deteriorate，as have many other good varieties，Some of the farmers here are uang mills for cleaning the need that grades it eo that only the largest and perfect kernels are sown．We bope bs this grading to provent this falling off in good qualities．

Dr．Jerome also writes to a subsequent number of the eame paper that he has been very successful with the Clanson．He s2ys：
I did not measure the ground securately，but sowed，as noar 2121 can judge，the same breadth of tho premous jear of the Treadwell．The bulk of straw at the harvect did not rary to exceed one load，being packed in the same bay each year．Of tho Treadwell I threshed 250 bushels，anit from the same bulk of straw，as abore，from the Clawson， 318 bushels．My estimate of the ground sown each year was eleven acres．The berry was rery fine，and at the State Farr contrasted favourably with the best qualits of Stato Fair contrasted havourably with the best qualits of the fair will doubtiess remember．Wo have used tho flour darng the yar with entre satisiaction，and，as my nife esse，whthout having once failed of good breal．

## Stooking or Topping Oorn．

The Masachntetts Agricultural Report grees he follow ing experiments in stooking and topping corn

## Stooking Best

Take three equal roms in the eame field，inppington and leating one untoriped，the result was
Produce of ontopped ruw， 98 bushels com in ear，pro dinco of topped and stmpped row，it bushels corn in ear In favour of stoohing， 2 bushelo．Fnrty－six hills in which the stalks had nut been cut gave 42 punds $\$$ nuncoe dry shelled corn； 46 hlls in which the stalks had hien rut gave 33 pounds 7 cunces dry shelled corn，or equivalent to 60 and 4 ：busheis per arre raspectively－a gain of 13 busheis in favour of stouking．

## Topping Best

Esch of the three lots contained four roxs of twentr four hulls each，in all ninetry sia hills Iot No 1 was cut it the ground and stooked September 24 Lot $\mathrm{No} \&$ had the top stalus cut in the usual way September 24 Int No． 3 was left standing whole untal October 29，when tho lote were harrested and husked The ears were then spread about six inches deep and remaned until December 20．At this date the whole was shelled，and the result was as below ：

|  | $\underset{168}{\text { Lof } 1}$ | $t_{i b_{*}} 2$ | $\operatorname{lot}_{\text {lis }}$ |
| :---: | :---: | :---: | :---: |
| Otober 2ith－Ears ．．． | 143 | 1 ra | 14 |
| Derember 30－Shelled rorn | 111 |  | 105 |
| Deeembar 20－Cobe | 16 | 18 | 13 |
|  | 16 | 3 | $11)$ |
| of . . | ${ }_{\text {cont }} 13$ | ＊ | 8 |
| Another rezult is also given |  |  |  |
| 100 hilus． | rut up stionked， lbs |  | $\begin{gathered} \text { tryt } \\ \text { standing } \\ \text { uhole } \\ \text { bhs } \end{gathered}$ |
| Ears | 159 | 200 | 188 |
| Shelied fom ．．．．．．．． | 139 | 155 | $1+1$ |
| Cobs il．．．．．er cent | 34 | ${ }^{26}$ | 123 |
| Commenting on these experiments，the Scientyfe Farmer |  |  |  |
| 55 |  |  |  |
| Let us assume abont 3，60 |  |  |  |

Let us assume abont 3,600 hills to the acro and an aver－
age yield of 50 bushele pry acre．We then have for our firtet series en areras pin in favour of stooking of about $11 \frac{1}{2}$ bushels per どノ务 Tor our second series，in favour of topping，abous：： $\mathrm{f}=\mathrm{m} 0$ onels per acre．In reality，however， the gield ryfins to haye been largor in the second senes of rapermmeste than in the first，and it is，therefore，pro－ bable that che stooking expenment shows the larger gam． We may assume，however，untal furtherinformed，that the results of these two processes on the amount of grain are not proved the one superior to the other．Rough experi－ ments on the feeding value of the fodder from early stooked com convince us that it 18 worth certanly donble that from topped corn，for feeding to milch cows．Why cannot wo hare some experimental rowults reportod to us this fall？ Will not some of our farmer friends contribute bome ex－ periments on this point，by topping and stooking the corm growing on equal areas，and noting the results．

## The Aftermath．

The Western Farm Journal says ．－Years ago，it used to be the practuce at the East，to move the aftermath，or second crop of the mealous，in September，or cles feed them elosely before winter In the West，Fhere land is pleaty and cheap，the sernnd growth has gencrally been allowed to grow at will，and ruman on the surface during Finter．Sometimes the after－growth is excecdingly heary， and in such cases cuttung just before hard weather sets in is beneficial，since the grass may then lie as a mulch during winter，and in the suring it may be raked so at not to interfere with mowing and gathering the next crop．If fed closely after mowing，or if cut much before the growing season 18 over，the roots are consequentif weak oned，and，
if persisted in，the succedirg crope will wow the resulte of thas bad practice．
If stock can be obtamed suffecent to eat this aftermath quite late in the season，without the tramping and uneven foeding that must ensue from the ordinary way of pastur－ ing，it might be quito as well to eat it off an to mow it； except this：the meadow would not receive the benefit from the mulch during tho winter This malch is far inore important than is generally euppoeed．In the first place it acte as 2 blanket to the soil and roots．Shading the aarth causes a depoeition of nitrogen from the air，and it keeps the sonl cool and of oyuable temperature．
Cnder ordinary circumstanees，or，of the aftermath is not exccedugly heary，it so decays before tho next mow－ ing beason as not to intefere with the operation of hay making．In other words，it has become manure，and goos to cnrich the roots of eucceedng crops of grase．Thus，if this annual mulch has been left on the soil，it will be found not only that the succeedng cmp of hay is enough better to pay the ralue of the grass left，but aloo，when the swand is again broken up there will be a rich layer of humus soil that will tell favorably upon succeeding cropa：The sun beating upon a naked soll renilers it inferthle．Natare＇ best cuitivation is mulch．We may not constantly take from the soil without replacing And one of the worst systems practised upan meadnow is to kepp thrm rinkely systems practised upan
mown or patured hare．

## Troublesome Weeds．

The kinds of aceds that are tronidesumo under some systems of tarming，disappear or do but little damage under others．This fact is often an important itom in de－ coling what kind of crops should Le grown．Years ago， when wheat was the man dopendonce，and occupied the land overy alternate year，the wheat tield wan filled with red root．In those days，especially on sandy soil，farmers unammously voted this the must peatiferous weed in ex－ istence．On some large farms humireds of bushels of red ront sced were cleaned out of wheat，and the growung of this crop became almost impossible from this cause alone． Since the adrent of the mulge，and the change from ex－ clusive wheat－gronang to mexel hushandry with com and other sprmg cropa，red root has become less troublesome， and is now rarely thought of．Sorte farmers；wathin a few years，have thought that thoy could now renow their old polhf of growng wheat each alternate year，and they are troubled again by the appearance of ther old enemy． This year I think red root has been generally more plenty than in many previous seasons，probably last－fall was unusually favorable to its growth
The change，now generally in progress，from wrain and clover to grass and dary，dismusses for the time some of the farmor＇s old enemios，lut unfortunately introduces him to nome now ones alrcady here and wating to recerve him．Quack grase is hittle likely to be so much noticed When land is seeded to permanent pasture or meadow as
when ploughod every other year．In fact，I am a little When ploughed every other ycar．In fact，I am a little
afratd that the prevalenco of thrs weed－1s one reason for the general desire to quit ploughing and seed the land to grass Cnder the policy of ploughing most of the land－ often more than could be well cultivated－quack has in－ creased enormously；and very few fanms of one hundred acros aro entircly free from it．Farmers hereabouts have not learned the knack of your correspondent，Mr．Ires，in managing and atilizing this weed．We all regerd it as the greatest possiblo nuisance in all cultivated crops．
The common raf－weed has becomo a great nuisance， especially in stubble ground after harvent：It is the most accommolating weed I know，and will adapt itself to any soil．In a sterile or hardly yacked sonl，it may be ouly ten or twelve inches high，or even less，but full of soed the whole longth of the gtems．When the soil is rich and mellow，it spreads itself like a tree three or four ieet high， with widely extending branches Sometimes when clover is thin it will appear the sccond Ycar，but rarely caises
much trouble in clorer mewlows．If partared at will 2n－ jure the feed．crowding ont the clover whioh is cropped by cattle，and wherever caten by cows will impart an un： pleasant taste to milk and huttor．This weed can boa kept sowing with clorer when seeded．A thick mat of clover
will keep down all annual weedu，and greatly check most othere．In permanent grass rag－weed causes Ittle troublo． the secds，however，remain dormant，ready to grow whon tho land is ploughed again．
Wild carrot is，however，a plant of totaily diferent character．It haa become very common，and where land is loft unploughed two or more years，it will be one of the most troublesome weeds．It is a benmial，and vory hard to get nd of where it cxists in large quantitice．Cutting With a scythe has to be repeated at frequent intervals，and after all，the chances aro that somo will cescape，as it will seed very near tho ground if cut often．Johnswort and teasel are also often bad weeds on farms in permanent grase

Weels in pastures are especially uad for tho dary，for cows will frequently crop them by mistake when growing With other herbage．If thore is to bo increased produc－ tion of darry artacles，only tha＂glt－edged＂will bring a remunerative price．We shall como to this in time uith milk as rell as butter and cheese．The milk of some cows is worth twice as much as that of others，or sometimes of the samo cow when fed on different food．I have heard that a farmer who supplied unadulterated milk to a milk－ man，had his product critzcised by the latter becauso the cows were fed liberally with beets，which produced great quantitics of thin milk that rould not bear matoring． Hewas very particule：to get rich milk，not to give a trast to his customers，but that he might acll more wator and uncrease his own profits．Sometume peoplo will loam to detect the difference in quality of mulk aside from its richncsa，and then the dairyman whose land is freo from weeds can sell bis milk at a premium－Cor．Country Gentlemar．

## What Kind of Barss．

The old method of making hay was to let it lay out soveral days and keep it continually stirring until it wan thoroughly dry，and had mom the semblance of chips than grass．The improsed practice is to cut with－a machine，ted it a few times，and draw it to the barn the same day．If such rilted grass is not allowed to get wet， it 18 fonnd to keep quite as well as the former dred hay， cspecielly 18 this the case where the barns are compara－ twely tight．Recont experiments ars reported，in which the freshly cnt grass－cut after the dew was off－was al－ lowed the sun but a couple of hours，during，which the tedder went over it once，and was then raked up and housed in a building，clapboarded，tight beneath，plas－ tered mside，and with slight ventilation，which was at once closer tight and nut opened tuli winter，when tho grase came out fresh and bright as the clay it was put in． A farmer on the Berkshire hills had a short hay crop which ho determined to make go ás far as possuble．His barn was well sheathed，without cracks．The grase was all cut early，just before blossoming，and housed the same day as cut．While carting the hay the barn doors wero kopt closen，save to admit the teams，which were un－ loaded nith the doors shat．Access of aur was prevented so far as possiblo thenceforth．The hay was closely packed in the mows The testimony of the farmer and all his neighbors is that this crop of hay was brighter and fresher the next winter，and was more nutritious－the cattle cating less of 2 t－than any previous－crop．We might ate numerous sumilar examples．There is nothing in thas contrary to science or sense．The over－heating of hay will only take place by the action of，the oxygen of the aur an the presence of moisture．Removo oither and the Zueating will not occur．Remore the moisture and the rrass hecoines diy hay，lesi difestible，und minus some of its nutritive and aromatic qualitiea．It is better economy to keep out excess of oxygen，and have cured grass for fodder There is a great saving of labor too 10 houning hay the same day as cut，which of itsolf is 2 strong arou： ment for the system．Evicry wetting by dew，erery hour＇s sun after the grase is wilted，leseens the value of the foddcr．We can take adrantage of the adea by pro－ Fidung tight harns，and kecping them，closed untal＂the hay has gone through its＂sweat，＂which is a slight fer－ mentation which drives off excess of moisture without in－ jury to the hay，if excess of oxygen is not permitted in the meantıme－Scientyfic Farmer．

## Fin Sow Spariugly．

Oatn is a far better crop than many are willing to ac－ knowledge．Its capabilities ought to bo botter known．I have poticed for a acore of years that it has been the prac－ tice to sow oats in the spring，and somewhat late at that； then when it begins to show a fow well－formed grains the crop is cut for fodder．It takes guite a number of daýs， to dry it so an to pack with safefy．It is after all a light； flashy fodler．Having aown from two and a－half to three bushels to the acre，it grows so slonder that an ordinary min－storm cances it to lodge，which puts a stop to its miatunng，and bencles this，if grasereod has beon sown

