If barleg, wheat will be somn on the stubble, and $n$ lihe round of crops be repeated

I thought, os I saw this man turn under the clover last month, that he was ploughing in from one and a lialf to two bushels of clover sedu to the nere, that ho had betice cut and save, and pithes land into barley
next Spring, folloring with wheat next Fall. Bat he took his way, and by doing as he did, he has clover sced that wlll be coming up in his crops for ycars.
Will this manuring will cloper last? I can only say that it has answered fur at least sixty-fve years on a field on my farm. Th'a flold s history is known -it las been cropped cons...ntly with hay, pasture corn, barles, oats and wheat, manuring with clover and plaster only. No signs of poverty yot, but, on the contrary, increasing fertility. Barloy vas har vested from it this season, nnd it is now in wheatMon. Geo. Geddes in N. Y. Tribune.

## New Use for Flaxseod.

Tris following statement, copicd from an English paper, is of great interest to farmers, as it seems to spen up a nor use for flaxsed, and may greatly enjance the price, so as to mako flax-growing profit able. This new use is in the manafacture of an article called Linolcum; deriving the name from linum and oleum. It is said that it will bo a ziral of caontchouc, or, as commonly called, India rubber. The new articlo is manufaclured of linseed oil by oxydizing it untis it is solidified into a resinous sub stanco, as wo frequently find it when oil has been long exposed to the atmospere. It is stated that "in this state it is combined with resinous gums and other ingredients, whercupon it assumes tho appearance and most of the properties of India rubber, Like India rubber, it can be dissolved into a cement and used in the manufachure of material for vaterproof clothing. It can be used as varnish for the protection of iron or wool, or for coating ships bottoms. It is good as a common cement, having properties similar to the marine glne made from India rubber and shellac. It is readily rulcanized by exposare to heat, and hy this means becomes as bard as the bardest woods, and capable of a finn polish. The variety of uses to which it can be applied, in this form, will at onco suggest themselves to tho reader. The manafacture of linolenm has thus far been made solely to produce floor-cloth, for which it has proved itself well adapted. Corabined with ground cork, it is spread on a stout canvas, the back of which is afterward water-proofed with tho oxydized of Which is afterward water-proofed with the oxydized in the ordinary way. The foor-cloth thus produced in the ordinary wry. is pliable, noiseless to walk upon, Trashes wrell, preserres its colour, and can be rolled up liko an ortinary carpet. It is very durable, and its component parts will not decompose by heat or exposuro to sun cr air, as will Indid rubber.

Sart as a Marere. - A correspondent of The Farmer Scoltish) makes the following enquiry:-" Secing in the Furmer of the 20 m September last a raluable article on 'The Use of Salt for Catlle,' and also on ths beneflcial effects as a manure, I wish to know the proper quantity to apply in order to promote the growth of green crops, including potatoes, turnips, and carrots; also the proper quantity to apply to stony nature, situated ajout $1 \frac{1}{2}$ miles from tho sea, and about 100 fect above its level."
The reply of the Editor is as follows:-"Salt acts in two ways:-First, as food for the plant; and secondly, by rendering other sulustances, particularly phosphates, arailable for the purposes of nutrition wo have had long oxperience in the use of salt as an much service. Thero are parts of the country where an application of salt will not produce any marked
results, such as districts exposed to heavy rains comresuits, such as districts exposed to hcavy rains com-
ing direct from the ses during a considerablo part of tbe year. This wo have notieed especially on certain parts of the western coasts of the British Islands. Where much torn manure is used salt is also less efficacious, generally speaking, as such manure usually contuins a certain amount or it. The quanti-
tice we hare used aro as follows:- For green crops, 5 cwt to 6 cwt . per imperial acro; for cercals and yonnk grass, 2 to 3 cwt For roots it may be somn
broadcast over the land before the drills are made, and in the caso of ccroals tho quantity to bo applied may bo divided into equal parts, one-lnalf joing drst applied, and tho remainder after tho interval of a fortWhent, moist weather being selected for the parpose: strength to the straw, and wo bavo noticcd that the arain is also improved in colour."

## Storl andrurtmont.

## What Sheep are Most Proitable?

Tus folloring arliclo which wo extract from the Counlry Genleman, is from the pen of Sanford Howard Esq., the able Sceretary of the Michigan Stato Board of Agriculture. It will repay perusal:-Jhuchis said as to what kind of sheep ere most proftable, though out littlo bas been done in this country tovards a selllement of tho question. Trials havo been instituted in England, which, if continued loag enough, rill at least establish valuable facts. Some of the results already brought out, hare appeared in the pages of tho Co. Gext., and havo donbtless been read with interest.
In this coundry numerous public shearings, or
matches, lave been beld of late years, the object in most cases having been to compars, the weights of lleeces ns taken from the sheep, sometimes with referenco to the proportionate weight of carcass, but or its value. The "Diggest flecec" has been the chief nim. It is obvions that this presents no taugible iden in regard to the intrinsic raluo of tho fleece, or the prolits of the shecp. True, it may answer for at while us a basis for speculation; but the main point of interest to the public is - What sheep ars really most profitable in reference to the purposes for which thes are kept-rool and inution?
It is gratifying to sec that some steps have been taken during the past season, to place this matter on a better foundation, although no plan has as get been brourlat out, which would afford a fair nad teorough cest in reference to the comparative profits of the animals. In several instances attempts have been made to ascertain the amount of clean reool produced in proportion to the weight of carcass. This, though but one point in the main question, is important. The irst, and perbaps most note-worthy of these trials was instituted by tho serr-york State Sheep and roolthis occasion Are Merino rams, nine Merino ewes, and one Cotswold eve, competed for a prefium of $\$ 30$, offered in the following language: "For the fleece of one year's growth, or thereabuits, wihich, on being cleancd, shall be found to givo the greatest weight of wool in proportion to the time of growth, and to tho live Feight of the animal."
The committee appointed to superintend and report upon this trial, took great pains to analyse the yacts involved in it, so fur as they conld be reached, and have embraced the same in a table which has appeared in your columns. It will be observed that the weight of flece in proportion to reight of carcass is all that is aimed at, the talue of the fleece being lent entirely out of the question. The process of ascertaining tho amount of clean wool comprised in each lacece, is stated by the geatleman who had charge of this business,-himself a manufacturer, - to bo the same as that turough which wool is put for manufacturing, and was probably unobjectionable. Ia fact all the rules adoped ay the committee, scem to have wool in proportion to carcass as the circtunstances of the caso would admit ; and jet they did not embrace all the material points. The weight of the sheep, for instance, was only taken at the time of shearing, and this is assumed as tho weight during the whole period of the growth of the fecce. The arosupposed to bave lad nothing to do with the sheen till the day of exhibition. But it is obvious that their deductions may have been rendered fallacious on this gronnd. A sheep may hare been kept for ten or eleren months of the year in such a way as to pro duce the greatest growth of wool, and for a Bhort time immediately preceding tho exhibition, so reduced in weight of body that the proportion of wool
would be much greater than if the averago weight of Would be much greater than if the aver
the animal for the jear hat been taken
Let us seo whether something of this nature docs not appoar in the report. The preminm ras awarded o Ar. Clapp's two-ycar old Merino owe, whose wcight was 49 pounds, and whose fleece, scoured, weighed fraction under $4 \frac{1}{5}$ pounds for a year's growth, or at tho rate of about yd pounds to 100 pounds weight of carcass; Her condition is put down as "fair." Mr. her scoured fleeco weighed 7 pounds, or at the rate of a little over 7 pounds to 100 pounds weight of carcass for one year. Her condition is pit down as "fat,"一tho only sheep among tho fifteen that competed for the premium whoso condition is thus recorded. Now suppose the Cotsmold had, just beforo the oxbibition, been reduced to the samo condition as tho Merino, woald she not havo produced more wool
than the Merino in proportion to weight of carcass?

Bat suppose the premitum hat been onfered for the sheep that should gire the best returns in wool and llosh; that the conditions should hase required tie won to be fold, and tho sliceps sold as mitton, ow wollit ho case have stood? Thich wonld have shown the most proflts It is true we ate withoutany
information in regard to the cost of the food which Le anima's had eaten. Neither of them appeared to are been ferd with a view to being slaughtered at hat time. Tho Merino was about tirice as old as the ntswoli, and weighed about half as much. Andmitting that tho nmount of food consumed was in proportion to weight. the Merino hal eaten as much in her lifetime as the Cotswohl. The Merino had produced two lleeces. Wo liave no information as to the wight of the first flrece; if it would hare weighed liree pomils, cleansed, it was pretly heary as compared with her secondilecee-lhe flecees of two year olds of that breed being generally comsiderably hearier than those of yearliugs.
We have, then, tivo fececes of tho Merivo, say is pounds of clransed wool, worth, perbaps, \$1 per ondition of the sice imbicates that the mutton reould hare been marketable or not ; but let it be considered so, and reckon it at the same price per pound as hat of the "fat" Cotswold, say eight cents, live Weight-not it very high price tor good mutton, at
that time, in the State of Nen-York-the Merino carcass, 49 pounds, would come to $\$ 3.92$, making, with he wool, all aggregato of $\$ 11: 67$.
We will reckon the Cotswold wool the same price as the Merino, though it wis probably worth more: Seren pounts would come to $\$ 7$; the carcass, $99 \frac{1}{2}$ pounds, at cight cents, wonld come to $\$ 7.96$; making, with the wool, an aggregato of $\$ 11.96$; being a balance in farour of the Cotswold of $\$ 3.20$. $\Lambda$ difference like this, in a hundred sheep, would amount to landsome sum.
But the report is suggestire on olher important points. Tho difference in slarinkage of wool in going through the process of scouring. is very striking, particularly the differene in Merino and Cotswoldthe slirinkuge of the 1: Merino fleeces arcraging 64 per cont., and that of the Cotswold being only 18. The differeace in shrinkage between the Berinos hemselves is niso freat. Comparing the ewes, wo Ind that Mr Clapp's which took the prize, weighed 9 pomuls, and produced a lecece which reighed . 55 pounds; before being sesured, mad anterwards 4.75 pounds ; being a slarinkage of 48 per cent. Tho per-centage of scoured wool to live meight is 9.6 .
3r. Sweet's ewe, (No. 12 in the table) weighed 88 pounds; lier 0pece weighed 173 pounds, before being scourel, 5.31 pounds aftermards; being a surinkage of 69 per cent. The per-centage of scoured wool to live weinht is only 6.
The rins present similar contrasts. We will select wo of the anme afe, about a year, and both reported in "good" condition : Mr. Gibbs' ram (No. 5 in the table) weighed 50.5 pounds; his feeco weighed 11.31 pounds before being scoured, afterrsards 3.97 pounds being a shrinknge of 64.0 per cent, and a per-centage af scoured mool to live weight, of 7.C.
Mr. Boree's ram, (the last on the list,) weighed 10St pounds; his tleece, before being scoured, seiyhed 18.9 pounds, afterwards, 5.4 S pounds, being a sirinkage of 71.4 per cent., and a per centage of scoured rool to liro weight, of only 4.7.
It may not be improper to suggest to persois or associations, who have cliarge of public shearings or matches, the importance of adopting the most thorough tests in reference to showing the relatire profis of shacep, that being the point at which we should aim. There is, of course, no impropriety in endeavouring to ascertain what sheep protace the greatest quantily of rool in proportion to weight of carcass ; but it would obriously be better to considor the talue of the wool. To ascertain, first, the quantity of wool produced in a year, in proportion to tho weight of carcass, something more is required than jusi to weigh the sheen on the day theyare shorn. Thes should at least be reighed at the baginning of the year, and it ronld be better to lave them reighed weimines as the actuallivo arancs aring tho periou of the growth of tho wool. In the second place, to ascertain the value of the wool, each flecce should bo subjected to the appraisai of some competent person or persons.

The necessity of the fleeces being scoured cannot bo too strongly insisted on, as nothing short of this can determine the actual weight of wool, and withont knowing that, we hare no basis for fixing the valuo of tho fiecce. Tho results of the Canandaigua trial show how deceptive the large jolky fecces are, anil yet it is sa. 1 by persons who witnessed the shearing of all tho sheep exhibited on that occasion, that those Which fere most gummy did not compete for the premium on scoured wool.

It is worse than throwing money away to offer premiums for this wasto matter. Its production is

