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en | imerican journal $\begin{array}{c}\text { jo } \\ \text { of mea who know } \\ \text { ont recently an }\end{array}$ |
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 Iow constant
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(ZV)TOCK \& DAIRY
 ars generall, from his experience, that farm- bunhels of orn
300 poonds of seare
opork 300 poonds of pork ; and another gentleman
instantly replied that his neighbors generally
fed more

 Lushel. But 24 pounds of pork which is in
the oorn, and can be got out of it, means 96 . per bushel for corn, 173 pounds of pork to the
Sushel means 70 p per bushel
隹 13b. means 50 c per bushel for corn.- Uticica
Heralla. Fredixa valur of proddcts.
Some one and wedo
 food for stok, thinks that chemistry has caused
nime ous rerros and mistakes to orreep into ohe
mind



 wheat straw. So with regard to orotss we leam
from the chemical researches that turnipe oon-



 -. Carouna Farmer.
Having attended the sale at Mr. F. W Stones, in Guilph, Ont., I took some noted
of the condition and appearance of the cele. of the condition and appearance of the e cele-
brated Cotswolds at Moreton Lodge," and
will give them for the beft will give them for the benefit of your readers.
The "M oreton Lodese" farm of of 550 acres was
het
 an Agrieltural Colloge farn, for 875,000
On this farm were kept Short-horns and
He Hererord catlee Cotssold and douthown
sheen, and berkshire and Yorkshire hogs.
All hese All these had been bred up by Mr. Stone to
a high standard, and had beome justly
 nearly or quite 1 100 Cotswold Can and 30 or 40
Sonth
Sow Southdowns, and any one of the 100 or more
stock-men who attended the sale will bear me out in saying, that finer lreeds of these
sheeep cannot be fond in America. In oue
 flock of about 100 breeding ewes were in high
order. order.
I had heard it said so many times that
Canada sheep are larger, at the same ane, than the same breeds when kept in the
States, that
persistent inderored to to
fid out out by

 either in Canada or in Kentucky. Size in
Cotssolds (and also in the Dowis) is due
 maize es ancept in gardens, or for forage
lanted, exce.
Bat turnies can be grown in unlimited
 thon onand of of hushels. His Hhep are fed in
winter on Illinois corn bought by the car winter on ilinois corn-bough by the car
load oil cake, oast peas and turnip, with
plenty of hay and straw. In the summer,
 season, they get, in inditition to the pasture,
early turnips or
arep. This
dist depended upon, and is fed off in the Engish
style, by the aid of hurdles.
By continual



 follows fee
Jourral.
vo gioon paraing withour stock-frrdiva.


quantity of chemieal manures he does it only
as as supplement to increase ithe stimulus to
 every twenty five poundd of food devorred
by an animal he leaves twenty pounds in
oxcrement
 of the food to form his hlesh and bones.
Hene it is that the Engish farmer buys
young three year old sters in the fall to ent
 spring $;$ he well knows that the manure the make nearly pays their keeping
John Jolminton, tho tatber of tile draining in Western New York, buys store sheep in
the efalt to fateen for spring market, feeding them through the winter on out straw,
clover hay, with Indian meal and werteel
leets beets; and he considers the quality of their
manure nough in inproved to pay for the meal
and ren
and

To put on fat to an animal requires neither mineral matter nor nitrogen, ouly available
carbon and the elements of water. and bone in torm 100 lbs. of muscular fles


Abs tall manare suplies the nitrogenous mineral substances, if there is only enough
of it to dispense with concentrateel fertilizers, the money they cost is saved. Yet the best
farmers do not neglect to supply themselves
Wos. Tarmers do not neglect to supply themselves
with bone material and other commercial
manures to quicken and eke out their barnyard manures.
Joseph Harris Joseph Harris, of Martin Farm, near
Rochester, perraps the best farmer in both theory and practice in this State, says land
never should be so exhausted of vegetable matter as to require a green crop to be plough.
ed in ; he suys, feed your ed in; he says, feed your clover and apply
the dung mate from tit to the field, be it
meadow of the p
 its decomposition; and lime itself is is a capital
manure for the clover crop. - Southern Cul
mint
riz oost of poor stock.
Probably few farmers think of what it copts
to keep poor cow or s land piik hog. They








 great majority of their clients the popesesion of
such stocock or the use of it tis suite unatson ond acount of the want of the ne eesarary meane
ony mak ing this special branch of their oper.


An Euglish breeder says:-"I have kept
them pure, crossed the Short Horn cow with the Devon bull, and crossed the Devon
cow with the short-Horn bull.
In either

 ever after nsing tho short Horn 1will. I hav
also used the Devon bull on the errss
ard

 requires four or five years to mature, but
am firmly of opinion that if tif pure short-Horn bulls were used on the native cows and their
crosses in the different districts of the United Kinglom for a few years, our beef guppled
would be doubled.
wrand
Many farmers
have

goose' with the next generation, Of such
Would ask, Have you ever tried? and, if
 observation have funy boen-and practice and
we can mand ont ont that
locks and


 anmy onco a a dozen genenerations back. It is
 males that has made so many people dis-
trustuluor any but the first.
I wish to
orent lay great stress on the using of pure bred short.
Horn bulls, by which I do not exclusive. Hy mean those fancy ypriced heasts that the ure sop prominennty in in the heaststultural peri.
odicals, but ones selected from a good herd Where pedigree sires havo been used for at
least twenty years on cows of undouttee Short. Horn Hood, and that have not been
artificilly forecel artiticially forecd. $1 t$ is not difficinlt to por-
chase hundreels of such at reasonable prices.

Howard Arshiries as milikers.
nuishes the Practicul ${ }^{2}$ Farmer ans anile, Conteresting arcount as to how he came to selecet the A yr
 six aceas, of that at the time supported only
so began by keeping six head, soilingt them in sumaner and eeping six
food for them in winter ander taking up some poor lander, and to be thery year Tleared, manured and seeded down again. that he has visited this faress Farmer states beantifully situated, has rarely sean a mor
promising farmisng. Therd tor testing the merits of high
there are tell
turice studied agriculture more meron why y have
Mr. Collins, or who have carried to the tha of renovating-We might almost say creating tank
-a farm, greater skill, system severance and science, and he leserves his

 his purpose (selling milk the year round),
irporery sele cted thoroughbred A Arshires
are are the most profitable for him to kep. .
Mr. Collins 1 a a very careful and systematic Man, keening an exact account of the produce
of every $\operatorname{cow}$ on tho farm, and his statement
is of great weight of great weight.
red devons
The Red Devons possess all the requisit taintiess hy nature to till the wauts of moun
tain arriciturists.
They have the blood hone, sinew, endurance and disposition, witl
beef and milk qualities combinosi will on a a less suantity of fool than any other
breeels in breeles in hilly sections, and manke a surer
return to the owner, to the stock dairyman. The Devons are urareforted make obecient and powerful oxen, and as a
general thing, are less liable to the effecta of exposure and disease The Deon also
makes a
anter and safer cross with native cattle, and produces ${ }^{\text {ans }}$ grade well
alapted to the
Farner.

## if pea btraw good poddre?

A correspondent tays he has not found pea wheat straw. Very liokler aby Anod oat and
peastraw may be so cured and fed yet good
 it is choce bean-straw. It is more nitrogen should be fell, to get out it ts full value, incou nection with a small quantity of corn, Sheep
that have a pound of conn each per day will fatten more rapilly on pea straw than on
when

 respondent aptenend the trouble with our corfeeding, as in the method of cutting, euring
 ting were allowed to remain in heapes in the
field day after day without turning and were exposed to rains and dews until nearly al the solnthe mater was decomposed or washed
out of the estraw, and half the leaves were

