



 304 to an investigation of the ben
and from It we extract sone fact
nhich our readers would The gins are rery smanl，stobular
Totm，and nearly white lo coive．The are，usually taid to the teat sheneache Vroed，whlleh dooes the misthetef ov ov
posit freely in the cut straw of ol stacks，in liny ricks，tin old corin shook
nisl in Dits of corn stalk that
 worms started In momue grass that pastures
on which cord fodder hod becen fed to The roung caterpillars comg forth ti aro hald．In case the egss were elliceed
on fresh grass or grall，the youulg har
tae foed for a the rae feed for a tlme in the shieat
where the eggs were phincel，but fiun II lactude the whole blade in the bill o
fare．They are foll grown In abour
four weeks，At this time a single lar on length and a guartech and a ha In length and a quarter of an finch in
dinnmeter．They may be brtefy de
seribed as being smooth，naked eater seribed as being smooth，manked anter
pillars，moderately dark fn color，witt longituainal stripes．running the rull
length of the body．The thrro stage fin
the insects he Insects＇life begins when the cater－
pillars go Into the groud or under
Iones to mate the wridertol und from an aetire caterpillar to an appan
cotly lifeless creature．Thls stage

## te

ealleel the pupa stage，or，部 the cense
of the butterilies and moths，ls niore of the butternilise and ond moths，the cuse niore
familiarly known as the chrrsalle stage．A single chirssalise mensantics
about three－fourths of an tiach in It is anaity of a Corn cribb
It is a sare rule lin estimating the
size of a crib，to allow two cuble feet to each bushel of corn．By a eubbe
bushel is meant 70 pounds of ear corn， shielled corn．The rule is to allow 14
pounds for cob tn the fall，and 12 lifty feet long，slix feet wide and ten corn easily with a scoop shovel，but there can be two openings for each crib
extending down to within four or five set or the foor，and when the crib is can be placed across them，as the crib done with ease，When the cribs must
be filled to the top，a boy or man can
throw corn back to the ends and all It． throw corn back to the ends and fill
so as to utilize all the space． It woula be no nod plan for every soung farmer，to make a reosutution－
nind keep it－to preseve an intell gible times，the sensons，the crops grown，
the dotes of plating，with such his－
tory of their prome
 erery fact refiting to the economy of
the farem wilgtit be breety but fintelli－
gilis noted．Such a record， a single year，would be of ralue in
plonnuling for the net jear，enabling
the farmer to better plinn his work，be ed，an well as those at whleh ho falled
during the pperious year，would be
full of suggestlon The Advance in Wheat．
The price of wheat has adranced all parts of the world，and is due to
legrimate causes Fist came a drouth
tin Australia，which cut down the last crop in the colonies rery materially，
Later the advices from Adelatide Ind
cate great need of raln，and the ne crop there may be dwarted on that ae ae
connt．Two bad years to succession count．Two bad years tn succession
in Ausratin are limprobable，but not
Impossible．The crop ti the Argen－ reason，and this is also true of mandia nin shippling wheat to Calcutta ls on
the worla las nerer before belield．


grais wasta pravistrd．
is inchos long，pointed at upper end，
and nall them to the sides of the trough， leaving a space between pitckets of 1
linches for chlcks or 2 ncles for fowl ack，where the weak hare equal
chance with the strong，and no waste
of feed．－Farm and Home． feed．－Farm and Home． No American Fat \＆tock Show，
There wil be no Amerrcan Fat stock Show in caicago this jear．The llilinols
State Board of Agriculture bas decided
that the thme ts too short to allow for proper arraugements belng malle．The The
stockmen，too，are of the opinlon that it
ould not toe cone would not tie convenvent for them to
tead，the time being to short for the
to get their herds to get the therds in condilton．It
probable that another anuse has ope
ated to some extent．The Springife
fair involved them in debt aprout $\$ 1$ ． fair inolved them in debt about $\$ 15$ ，
ooo，and they tad asked to taave a guar
antee fund of $\$ 20,000$ raised stock sbow was so be relelsed onf the $\begin{aligned} & \text { sis．on } \\ & \text { of the latter sum lad been subscribed．}\end{aligned}$ ．


## If a cow＇s teats are muddy or covered with other filt they should be washed with water and then wiped dry before

 hurning direct at the right time，the
hutter will come solld so as to be mallit When the butter is marmbled，it
either cansed by leaving too mnet either cansed by leaving too mach but
termilk in the butter at the last worre－
ing or the salt has not been distributed sluch of the arerage farm buttor con－
talns many of the essentinis of good
vailty，but becanse it falls in one wailty，but becanse it falls in one o
more essentials it falls to bring bes
prices． The laws enacted during the past two
Jears with reterence to ooeomargarine
seem to be alowiy but surely redueling talnly of great besesit to the legitimate Acricuitural A Aome．
Clitnech bugs winter over cend grass，in corn slocks，pllies of of
rubbish，and along fencees，espectally
bedges． The potato blight is on the Increase．
Bordeaux mixture for blight and Paris green for bugs will have to be kept th
stock by the potato grower． For storing corn fodder，elther shred－
ded or bulk，any sort of f shed that has ratnproof roof will do．All that
neecsarry ts that it be kept dry． crops on the＂Intensive＂plan dooduc
deed rest，but a
nudiclous rotatio need rest，
must be kep
somewhere．

## Make your cellars frost proof，white－ rash them，and let them at all time

 inve light，and be capable of frequent entilation．A cellar m．er ralue，or a pulsance．
o be against the replowlog or com conalitlon without plowing Cut the
corn off low and drill in the wheat． To tell when pumplins are ripe chip
them with the finger vait．It the nail ng through the rind it is ripe．but if
it makes no notse or the chip cotes

USBRUL BOOKS GIVBN AMAY．

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 crat
to toin
no
oreer
orer no dayy youre pucch，but 1 may nayy that
oreer some mithout my handiag very serutiny ye this way has beeomeme
reeret







 asate in the same direction when b
各苗
 iot get even a single edition belind






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We want your tea－trade for the rest of your life． Do you see now how we can afford to say：＂Get every sort of Schilling＇s
Best of your grocer，and get your money back on what you don
that

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 own．Only God can tell bow much wrong
dolng is prevented by one man dolng dolng is prevented by one man doing
right．
Before we can
two ounce bag，and two coupons inside each four Durham．Buy a bag of his celebrated tobacco which gives a list of val－
uable presents and how
to get them．
Many thousand dollars worth of valuable articles
suitable for Christmas gitts for the young and old，are to be given to
smokers of Blackwelim Genuine Durham To－ bacco．You will find


## Cheapest Power



Ind be kind than to be able to taili ulike
The man who mys. no to ulmselt tir
nothing hass the devil for a travellise

appy miten
on his gift
The man
The man who woula harea large ulfe,
muat work and pray that Lo may hare






There will be no reriral mben
people
that the preacter cerar amertest expectiog mouse
Erert



















No, it sent a bit queer; weare atrala
on agata" ${ }^{\prime \prime}$-Detrotit Free Press.
A man mithout enthuslagm is a rory
poor ftilend, but he taltes gooc care ot


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