## GRICULTURAL

Farm Yard Manure
 as important that the urine be preservec, be ponr in nitrogen, and would also lose
considerable amount of potabh. A hundred pounds of well-rotted farm-yard manur
generally contains seventy-five pound water, about one-half pound of nitrogen, les
than one-half pound of potash, and less than
one-half pound of phosphoric acid. From his it will be seen that this kind of mapure
will have to be applied in large quantities ance the necessity of preserving every that bad management will entiritely ques nearly
spoil the manure. 'Too many farmers throw hiere from continual washing a jarge pe cent. of the value is lost, washed down the
guter. The action of the water wears down
the solid matter as in the case of an ordinary bask, and preseently the loosened particicles
are swept away from the mass and conveyed the nearest stream. Even if no grea
loss of buik occurs, the richer portions o he manure are lost, because the water
washes out the most soluble matter as it
passes through the heap. The advan passes through the heap. The adv glance. In covering a manure yard step
should be taken to eecure the whole of th
urine which is voided by the cattle as the lide excrement with the 1 tter are mixe together, fermentation proceeds on the
most approved lines but when there i
insufficient moisture in the heap, as in the the insufficient moiiture in the heap, as in the
case when the drainage frome the sheds i
carried off the premisee, fermentation pro ceeds too rapidly, and the manure
spoiled.
Several years ago Dr. Voelcker carried


A Winter's Special study. The progressive farmer plans for im.
provement in his busines. Method is
found to mark the

## MR. AND IVRS, BOWSER taz old man comes bome in bAD TEMPER.

 found to mark the plans of the euceessfu
##  

away to a cours of lectures occasionally
brighten upon modern discoveries. brighten upon modern discoveries. Hi
accomplishes mont when hif few wwelks
fow months are devoted to a special su
jow ject. So it is drue of the farmer an
breeder, that speciel made tosome one subject during his winter'
reading and investigations by experime if he is to see results of substantisl worth,
The measure of economy in feeding is The measure of economy in feeding is
oxtent of thatge, and the broad or narrow
exter extent of that knowledge. By knowiedge
we do not mean that which has been learned
trom reading at
 Faulandannersation may awaken the mind
ing and conve
to unusually valuable discoveries
wonld wonld urge, therefore, that our bright
friends among farmers and foeders, will
find it to their find it to their advantage to read beveral
books and $\begin{aligned} & \text { ifflerent journals for the next } \\ & \text { six mont }\end{aligned}$ six months, and that they be not wholly
didganuted and thus driven to abadon
reading because of occasional namacuracies.
When When an impracticable suggeation is
found, effort should arise o
torge the mind of a bettor way.
of he a good thing to writ
ont this wou and bend it to vour favori
articultural journal to agricultural journal, to be incorporated
inio an editorial item that will goot do
thousand of fellow farmers to lighten their
lebe ald purse.
of mere are scores, and perhaps hundred
of midle-aged farmers whose practi experience will enable them, the comin
winter to read regularly and eritically th
agriculturel agriciultural literature on feeding, and
find by his exercise of their
to themselves and the means of exs prondit more ligetves on and the sybje
being mastered
Those who learn the most, however, and
who shall be abie to make right use of their newly-acquired information, are they who
shall
divevote at least two hours or two even ings each week, for six mouths, to readin
(or conversation with intelligent ment
the subject of feeding farm animals. one is tattening hogs or oastle it is the be
ter policy to limit the reading of the tww evenings to this sientific subject, an
search far snd wide for all he help avai The feeding question involves the pro-
blems of oil moan as a valuable part in the
ration of work animais, grinding, the use of warmed water in ing, weother
tutting hay, straw and fodder, the prope
mixture or ration of the grains, ohanges o mixture or ration of the grains, ohanges o
provender and a dozen more items.
Succeess attends
 animats. But one should reserve fiv
nights of seen for the various other wor
of life. Feeding is not the sole saviour o
the farm.

THE WORLD'S WHEAT CROP. Good and Bail Reports From Bureren
In France the harvertes.
undes been completed
under the most favorable condtions, nder the most favorable conditions, an
the Minister of Agriculture has now issued
is estimate of the wheat crop, which greatly exceeds all previous expectations
the total yield is, in fact, put at $336,000,000$
bushels or only 6,400, France wrill require to io import very little
wheat this year. In Anstria-Eungary the wheat orop is
Inally deseribed as a good averago one,
which means that it is little short of las year, but that rye is about $2,750,000$ qrs.
leas than last year.
In Roumania, according to the latest
official report, the grain crops are not so



 From Spain the latest reporte state that
theo orop ais a whole is much below last
thear
yer, which was a very good one, reaching


 an average.
From Au
are satisfac
 by no means brilliant for the wheat ocop.
*Eight bushels makes one quarter.

## The Wrong Instrument

## Irate Father-Here I've paid you, n telling how muxh money, to teach my daughter musio, and he can't play any better than she did before. Whose fault

 better than she did before. Whose faultPthat?
Prof. Van Note-Ze fault of ze instrum.
ent. I had von instrument in my shop


Manner.
When Mr.
When Mr. Bowser let himself into the
house with his latch-key, Mrs Bowe was sitting in the back parior. She know
by the way he banged the door sbut and scuffed around the hall that something had h. She gave him a wifely greeting, bu he glared at her in return and growled. mever mind puting yourvelf out $\mathrm{fo}^{\circ}$
mo on this special occasion, Mrs, Bowher After dinner I want to have a talk with
you!"
"Ha anything "Has anythng
anxiously queried,
"You will be infor suppose
usual?"
"Dinne
"Dinner has been ready for five minutea,
dear. You have never had
ive five minutes for dimner since we wer
married." married."
He scuffed his place at the table with the demeanor
of a boy threatened with a licking found
fault with everything at the thord and fanlt with everything at the toard, and
left most of Mrs. Bowser's questions unanswered. Her policy was to smooth
away the clouds, but he wouldn't have it.
When they had finished the meal When they had finished
returned to the family roon
feelings burst forth, with
 superincendent of some idiot
the woman I made my wife
ago to take care of my home

$$
\begin{aligned}
& \text { when I got up to dress," } \\
& \text { "Mre. Bowser," he said a }
\end{aligned}
$$

$$
\begin{aligned}
& \text { "Anything else II should say there was! } \\
& \text { If you were ehe right goro of wife wouldn't } \\
& \text { you have noticed that one of the buttons }
\end{aligned}
$$

## 

## o cried out, and waving his arms around "Not only socks with holes in and miss



## yyin ine inion who omod

## Mand dem mini ixect

,ind Nond




$$
\begin{aligned}
& \begin{array}{l}
\text { "Why, what is wrong ?" she gasped. } \\
\text { "EEveryting is wrong " he souted a } \\
\text { he plumpediown one ounge and bobbe } \\
\text { ap again. "If I should try to run a hen }
\end{array}
\end{aligned}
$$

$$
\begin{aligned}
& \begin{array}{l}
\text { you tind fault with,", said Mrs. Bowser, a } \\
\text { she ranilizd that hhad had a bad day ai } \\
\text { the offige and wanted to get square by by } \\
\text { pitching into her. } \\
\text { "What partioular thing? Millions of }
\end{array}
\end{aligned}
$$



## tNEXPLoRED TERATIORY,





 ane he inhopitablo dotatenend A Arctic portion







 Botwee tho Polly nod Monotioniof River












$\qquad$






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## A True Bear Story.

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 Roses Five Thousand Years old.




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