## HOUSEHOLD <br> AFFAIRS <br> 


to here is nothing more cobirtion thati
of hear farmern in all the catern nee tlon of the country say "we cimpot
grow apples any more ay we once dlld Now, the cllmate is not to blame for this, and if apples once grew well with
you is it not worth while to study the you is it not worth whlle to study the use of their falk re now
their amual crops they mutht cultivat well and keep up the fartily of the
soll. They do fith try to pisy cory and whent at the snme the on the
same fiela, for they knyte that it cin same fiela, for they kndw that it cinh
not be done successfully, but when comes to the orchard they ansumose that
a tree can not only tale care of tiself a tree can not only talke care of tsself
ilise the trees in the forent. but, that IIke thy trees in the forent, but that
they can crop the land for other things they can crop the land for other things
at the same time and still get cropa of at the same time and still get cropa of
apples. Hereln lles the createst of all the troubles in apple growing. So lang as the soll was a virgin soll amd
abounding in piant food the trees abounding in piant food the trees
throve in spite of neglect, but as they hrove in spite of neglect, but as
gradually robbed the sall assisted Hy
the the crops planted among them ther
was soon a fallure, for trees as well $n$ other crops need plenty of avallable plant food In the soil.
Another thing that apple trees espe-
clally need is an abuidence of poill mointure. It is useiess to apply fertil zers to any plant if there is not moist-
ure enough In the soll to dissolve them. Hence the importance for provfaling son abounding in regetable decay
retain the moisture needed for the lutlon of the plant food applled.
latowers fully
realize the amoun the varlons forms of piant food that apple orchard tates from the soil. At
the recent American Apple Growers Congreas in St. Louls Professor Clothiler gave some very striking agure-
In this regard which were taken from tural Experiment Station the Arricul tural Experiment Station of Cornell
Unlversity. He showed that with an In a good orciard of 200 bushels per
acre, that this 200 bushels of fralt acre, that this 200 bushels of frolt
would remove from the soll thirteen pounds of vitrogen, obly one poumd of
phosphoric achl and nineteen pounds of potash, and the apples alone would
Temove from each acre $\$ 2.45$ worth of wood and the leaves of the tree must
be taken tinto nccount very considerabl. nmount of food to
kep up the activity of a targe tree
Altogetiser there was in the orchird
$\qquad$
$\qquad$
$\qquad$
by the trees in this way for a genera-
tion, and not only drained by the trees,
to pasture stock. Is Jt any wonder tliat
We cannot grow apples as well as we
once did?
The statement we have given shows The statement we have given shoms
that the dematrd for phosphoric acid is
very small as compared with that for

Convicta and Road Impravement.
Meckieaburg county, in North CaroIna, is the bauner county of the sonth
In the matter of good roadi. While ptates ure engaged in dificumfon of der about roads, that county has gone ahead with admirable vigor and hat now 118 milles of Arat-class macadam
tilghway in nie. The connty superinhighway in nie. The county superin-
vendent says preparatlons are made or bullaing anoteor 100 miles of it as The labor of butlding the Mecifen-
burg road is furnibibed by the county burg road is furnilabed by the county
fail to supplement road-making mat-
chinery of recent chinery of recent construction. Con
victa or prisoners are employed, an It is found that a constderable saving in cost is made in that way. A siml.
ior experiment in any county promises sur experiment in any county promises nt, with Improved conditions for the hen engaged in the labor. They are
apppler and bealthier at work, and thits vork comperes with no tree labor, hor
$\qquad$


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elga or domestic tollet expensive, is to be compared with le for all the purposes of the tollet, bath and
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