AGRICULTURALHINTS.
about hard roads.

 of these three kinds of soil exist, so
shail
remarkest and trainase trust that the few rowneral
 telligent enough to determine
do in their particular locality. The prinue requistie of every goo
road is a thoroughly underdrained road
Led. When this is not naturatly so b Led. When this is not naturatly so by
reason of a porouk subsoil, it may be
re reason of a porous sub
economy to put in a lin
two to four feet below th road, of sufficient size to carry off th
ground water. There may be spot
where it is best to put in a line of til on each side of the road. Ditches along the sides to carry of
the surface water are among the necessary elements of a good road. Thes
ditehes should be of a uniform grade so as to carry the water on has nearly
level grade as possible, in crder to pr vent washing, and connect with prope
enlverts or natural watercourses. Grea cole shoukd be used in making thes
cide ditches not to get them dee
side nide ditches not to get them dee Now let us turn our attention to th construction of a stone road upon our
ordinary soil that dows not need tile dirainagye; and that
derstand each other,

Knowing how mich money is to be
spent cach year, deternine the cost per
rod, and proced to prepare the number rod, and proceed to prepare the numbe
of rods by grading up the natural dir desirable to have road
rection not less than
with, as they are

## necessary to have th for safety at all times

best, but not the coommon practice, put on the heavy roller and roll the
thoroughly, that it will better keep it it tis not the stone filling that suppor
the load, but the dirt becuat the load, but the dirt be
both the stone roof and
its surface as well: the Pank cannot be taken with the dirt be
stone or gravel, when properly broien
and packed together forme and packed together
meable roof that wa
ing is in not rolling the dirt bed, but
simply grading upand putting the ston on. Th
over the
into an

## when buit had the nerface becomes almos thus allowing water <br> surface until evaporation

has a tendency to soften certain grad faster, thus producing ruts and requik ing needless repairs.
yards of crusbeds sequires six cub makking it nine inche
the sides. After the
furrows should be plowed along eac of the stone, thus forging a bank keep it in place, and prevent its working
of and becoming scattered over the adjoining portions of the rondway. to the outer elge of the ditch, take the big roller. commence and linishing you put an
and greatly

adjoining lands anywhere from ten to
four hundred per cent. Land that
could not find a buyer at $\$ s 0$ per acre
bas sold for $\$ 200$ an acre after a stone


 and
 and
 and


$\begin{aligned} & \text { the } \\ & \text { live } \\ & \text { the }\end{aligned}$

## 

 floor will to for poultry houses, iflook at the benefits and non-benefits nived foom poor or kood floors, Have
jou noticed fowls that had the roup
just because the floo was damp or ad
mitted dranghts through its Have you not noticed the numerous ver-
min harbors many floors have? The fowls stand during the day on the floor
their feet are in direct contact with tind their entire body being close to the
floor it must surely be of some conse



$$
\begin{aligned}
& \text { Ration for Dutry Cows. } \\
& \text { Suden clanges of the ration do not }
\end{aligned}
$$

$\qquad$
A change of food should be gradual
it requires but very little to cause
cow to fall off in milk, aud the fed
should be done judiciously. Oilmeal
should always be used by commencing
should aways se used by commencing
with a small quantity, hatif a pound a
day being sulticient, inercasing an
ounce a ddyy until a pound or more of
the meal is allowed. It should be mixed
with other food, as it tometimes "gums"

WORTH A SMALL FORTUNE. The Parasol of the Summer
very Costy Affir The fashionable young woman has
whole cabinet of curiosities, to say
othing of a small menagerie, on her parasol handles this spring. Enough 4uartz and crystal to form a geologist's
collection and enough birds and beasts start a zoologieal garien seem to be
necessary feature of the well regulat1 feminine wardrobe.
The new parasol handles easily suppy this required feature. Even the sink into insignificance when com-
pared with the handles, A realistic oad mounted on a green enamel stick
forms one of the most favored parasol handles, while carved wood parrot
heads in a variety of colors are also considered good form. These handles
belong to imported parasols, which are generally made of changeable Dresdel
rreen silk. To own one it costs 812
The grass The grass linen sunshade, when lined
with green silk, also has a parrot or
toad perehed on the top of the handle. oad perelied on the top of the handle.
A special novelty this season is the hangeable tuffeta silk para purse attached to the handle
The handles nre of carved wood, with
a kitten's or dog's head on the top. The purse is in rark or light leather, hands. To the women who know not
he privilege of a pocket this combina
ion of a parasol and purse will be rowded cars, where to hold the pocket book in the hand, cling to the strap
nnd carry one's bundles is well-nigh All the new parasol handles measure and many of them are very costly.
Those of natural wood and bamboo are of the parasol is Dresden or Persian silk, these wood handles have a crystal hall in the same color as the foundation
of the silk at the top. Sometimes the rystal ball is half covered with a tracery of gilded silver, which adds to
the effect, and incidentally to the price.
Even parasol handles have succumbed the miniature craze. One of the nost beautiful handles seen this spring
was made of tortoise shell, ornamented was made of tortoise shell, ornamented
with an exquisitely painted miniature
outlined with a decorative design in The gold and silver handles with the
foweled tops silustrate one of the ways in which the society woman disposes
of her wealth. There are gold handles with a ball top, studded with turquoise and other handles of gold or burnt
ivory, with a single large gem at the op. An exquisite burnt ivory handle
with an irregular tracery of gold has of mother of pearl is capped with an
amethyst set in A magnificent parasol of yellow sill
and duchesse lace has a twisted gold is the feature of the handle, though it
would not appear so to the casual ol
server. But if a is touched the ball opens and a bit o a watch is found ticking away inside.
One of the most expensive of the new lace, with the entire handle of white
crystal. At the top the erystal is
formed into an elongated ball, inaiaid with bits of vari-colored enamel. The
parasol handles of wood, with the luster of fruit as the decoration, are
both new and novel. For the young
woman devoted to woman devoted to golf there is a para-
sol handle which represents her golf
stick it is generally

POURED IN WRONG.

A preacher with views on the tem-
perance question was walking soberly
long a dusty road. A farmer with mpty wagon, sare that it contained a
Gallon ujg, overtook him and asked if he senting, climbed into the wagon, and s they jogged along toward the nex:
village the two fell into conversation.
Vow, the pracher had his. concerning the jug and led the talk
around to the subject of temperance, to his surprise, hisis eomphasis. Mun quite
agreed with him. Nevertheless the ".g. My friend"," he said presently, "woule
you mind telling me what you have it the jug here""
"Rum," said the farmer.
"I feared so," continued the preacher
"Now, my dear friend, you have quitt
"greed with all I have said on this greal
"Can you not give a proof that you
mean what tou say and pour out thiz
"But I cannot understand-"
"Wall," said the farmer, "ye see Fd
oit for ye, only half the liquor in that "Then empty your half, my friend,
"Fut I can't do that, nuther. Ye see, -Coffee very slightly retards the
process of dizestion. A weak infusion po coffee scems rather to promote than
to retard. A 40 per cent. intusion de-
lays digestion $21 / 2$ times the normal
period, and a 60 per cent. concoetion

