## Soilsiveps

TO PREVENT SORE SHOULDERS shoulder and neck of the horse shoul One of the most important prob- cob or currycomb may be ussed in for a large part of the heavy heorked 18
that of preventing and treating soore hat of serious conditions is it not enough to
give close attention to the selection Idesen beying of erry horse in than theold theld be
ore shoulderg pro the animal Gore shoulders aro much more com
hon on young horses unused to the ork than on or horses hardenused to th animal
young draft hors A young draft horso often gets sore coanues of ten her kkin, but the work
onmon cause is boorly fitting collo
 lar for a horse the collar should be
fitted to the horbe and not the horse
to the collar-that is, a collar that is orse wirge should not be used on y get large enough to he will fn. The clon cloths, is all that is necessary properly. This is a mistake that is il light draft while the be started in on
 in older horses is improper care of









 Erovere made for then.



## If's Easy to Save Girdled Trees

| By Gilbert W. Peck |  |
| :---: | :---: |
| Bridge grafting may seem like the Job for an eqpert, but it is not a dif cexult operat:Ln and the amateur who will follow i few simple instructions should be as successful in the work as a mañ with experience. Many instances might be cited | done the pressure of the g scion against the stock, late season, may force it to give the top or bottom. This bow al mits the tree to rock to and ing the unions. The scions of a |
|  |  |
| dge grafting, have saved |  |
|  |  |
| es. Nevertheless, |  |
|  |  |
| lity to do the work. Some men, too, |  |
| tive aluay iags behind, is unproduc- sid |  |
|  |  |
| Prs who have done bridge grafting. |  |
|  |  |
| has been saved may become sickly and worthless, but this may be |  |
| if to some other cause. |  |
| There are a few essentials in con- |  |
| grafting that must be adhered to in |  |
|  |  |
|  |  |
|  |  |
| or growing tissues of stock, and scion must come in contact with |  |
| other <br> or growth cannot result. The cam |  |
|  |  |
| the bark and the wood, and it is this tissue of a scion that must come in |  |
|  |  |
|  |  |
|  |  |
| HERE's THE BURE-FIRE METHOD. |  |
| Here is the simple method which |  |
|  |  |
| ecions are made three or four inches |  |
|  |  |
|  |  |
| bection. |  |
|  |  |
| and place it in position on the trunk |  |
| The scion is then removed and, following the outline, the bark is cut through into the wood. |  |
|  |  |
|  |  |
| If the grafting is being done at the |  |
| proper time the little piece of bark corresponding in size with the end of |  |
| the scion will slip out readily, exposlng a considerable portion of cambium |  |
|  |  |
| tissue. The scion is then put in place and held while the other end is bent |  |
| over against the bark at the upper side of the girdle. This should be |  |
|  |  |
| done to get a better idea of the cor- |  |
| Srect plane on which the top cut shonld a |  |
|  |  |
|  |  |
| Hon it should be nailed at the bottom |  |
| Hon of the scion from coming gocoseagainst the girdle, it may be necese |  |
|  |  |
| ary to use a wedge, between is and the trunk, when nailing |  |
|  |  |
|  |  |
|  |  |
|  |  |

##  <br>  <br>   <br> n d     A poultry house which is givin good satisfaction, has nine feet: The back wall is forir fee six inches, ane back wall is font front foal thre feet six inches. The roof lights ar of green sash to gie roof lights ar aven distr bution of light throughout the house There are back windows here are back windows to preven the litter from stacking up near th back of the house and help near tum mer ventilation. Hens face the ligh when they seratch end tain when they scratch hans face the ligh continer mus if thuall mue for <br> it is found tharteen inches wide, and best. This the wood ventilator is to take the moisture ventilation helpelps and shownd extend to eighteen inches arom the floor. Sumper ver from the floor. Summer teen inches can be placed in the roor ventiators op of the the ventilator shaft to redue top of the ventilator shaft to reduce the heat in summer. This proves unite necessary, due to the increase of heat necessary, due to tne increase of hate in the house, which results from the windows in thio windows in the roof. Enough rosta be provided in poultry house to allow eigh in a poultry house to allow eicht inches per bird. The roosts should he nine inches from the front of the nine inches from the front of the dropping boards and nine inches from the back and they should be folitteer inches apart. Old shed or sheep barns can sometimeg be used for poultry houses by suing a straw loft for ven. tiation. The waste oil from ha crank case is fine to kill mites. The nests should be a foot square snd hinged should be a foot square and hinged the wall, and about one nest to biris is a satisfactery ratio. I use old inner tubbes for rim liner rim. Put around rim and wide as hone the in tube for valve to go through. This olds tube to  <br> Hens or pullets forced for heavy egg production during the winter hould not be used for bree should not be used foring treede winters spring, for the vitality of a flock is reduced by forced feeding <br> 

 consequently is is avety is ishle limite only
operative experimenter.

## Sacrifice of Dairy Calves.

$$
\begin{aligned}
& \text { A saving of heifer calves from } \\
& \text { 1eavy miling cows kept for produc } \\
& \text { ng mik for city trade, was urged at }
\end{aligned}
$$

$$
\begin{aligned}
& \text { ite of goo dairy stock in said to re- } \\
& \text { cult from the present practice where- } \\
& \text { oy dairymen in many aces depend }
\end{aligned}
$$


y dairymen in many cases depened
pon byying to replenish their herdinstead of rearing replenish their herds heifrer from
good cous. Cases were instanced of
many carloads a year of the vermany carloads a ases yerere of instanceed of of best
cows being bough up and shipped out
of certain countie upinducing milk producing farmers foruse improved bulls only, and to en
courage the organization of theife
clubs among the boys and girls for
taking over and rearing heifer calves.
Sprouting Potatoes.
Soed potatoes intended for early
rop hoold be set to sprout not later
tan March 20 th tor
an Marche 2oth for south-western
natario -norther and eastern dis-

osed to the light in a thats and ex where
the temperature doen not go above 65
degrees. These will
grow avigorous
weeks.
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Home Education

## -

## Teaching Definite Tasko-By Edith Lochridge Rei

##  <br> $\pm$


#### Abstract

 Sable flome


Roegraning tho teating of comerote



 IAd or nutatory for vei bo



 foated with $=$ wooden trouel which give an even ourface ond omoid wich

 and mixial one of emement otwo oft









Common Clay for a Forge.

 tained for the preservation of main
orge and insurarce against fire the Fire clay is, of course, recommend-
ed by the manufactures for this pur-
pose, but common cles ir
er it is Pose, but common cles, if if is is free
from other substances, will serve the
purpose. The clay should be moisten-
ed with water
 surface of the hearth to the thickness
of one inch at the eeast. Care hhould
be observed that none of the clay is
allowed to drop into the alry opening. appiying, the clay alr-blast bo
Atter to
allowed to dry naturally for a day or
two, according to weather conditions, after which a fire shoanther conditions, be built in
the forge ot harden the coating. A
low, steady heat for two houg usually suffice to for twe tho
brick-hard finish.- G . E . Sugar is found in the sap

