

Vol. XLV.


LONDON, ONTARIO, JULY 28, 1910.
tome of a pine with the charraing that will please you. Bay 2 Bell the oaly makers of the patent Pipe
Tone Reed Cells. Send for froe 4

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The Union Trust Co., Ltd., 174,76 Ral St estate Dep


## The Farmer's Ndvocate and Fome Jragazine

London: ontario, July 28,1910

EDITORIAL.


The Cause of Strikes.
 4. the chatic eondition into which proprietary in fustrialism has led us, or, rather, which it has Mgeranated. for the chaos antedates the industrial iowlopment. This chaws can never be resolved Into cosimos by any amount of labor legislation. linneficial though this may be in some cases as a colution must depend upon far more delicate ad ust memts and murn micelv-automatic relationships the real troutle lies in human character. in 1s greed ansd comparative disregard of the inter "sts of othors, these faults being multiplied in 4stem. "hach estalilishes an almost purely imperSonal relationship between employer and employed. Thas, two armies are pitted against each other, one swehing dividends and fat salaries for as can he secured. and. so that it may do this effectuall, insisting upon minimum schedules of wayes, which, on the other hand, the corporation asualy exceed as litte ass messtme high wages to some might lead demands for a further augmentation of the average. Thus the tendency to a deadening level. trom being that of a disinterested onlooker. Apart from its vital concern in the uninterrupted continuance oi the services of these great which directly especially those such as railroads, which directly
serve the people, the public is interested in the enect of wage inctuases in one line upon wages in other lines, und also in the effect of wage increases upon ralus, improvement of sersice. opportunity for taxation, etc. How far an increase in wages necessarily increases cost of transportation, how
far it may merely stimulate economy of labor, how far it may reduce dividends on watered stock. and how far it may tend to increase rates, are questions the layman has poor opportain, however. ciding. This much is fairly certain, however. not proportionately increase the cost of the servof opration: wecondly ware increase is in enery industry a direct stimulus to economize labor, mahing a given amount of it accomplish more than when it was less highly valued. chaotic conditians are to be improved. Socialists would say socialize all m"ans of production: but this, while it might be helpful in some instances, and not procuce a character is radically changed at the same time
Fien public departments have had strikes, as Fren public departments have had strikes, as
 vight say co-operate, latting empheyene have a its: but experience has repeatedly proven this a failure, when attempted on any elaborate plan the failure being more largely due. perhaps. to greed, jealouss, suspicion, and lack of business training and mdgment of the workers, than to
the Farmer's Advocate
and Home Magazine.
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sued in the interests of the trade, he prointed out
disastrous comditions existing in firlish inont and
disastrous comditions evisbing in Finglish bout-and-
shoe fatories some vears ago, when the keen
competition of American maters, with their
impored machinery-made feotwear, 1-d to the
closing up of many Finglish works. Fut mark
the resulds, as told by Mr. Miggar. The Finglish
men visited America, studied out the whys of
ther inability to comprete purchased proper mat
thines, set their wits to woth, and opened ont
theor bactorites. to rethein open and flotrishing
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HORSES.
Joint Ill and Pervious Upachus.


Favors Raising Fall Colts
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$\qquad$ mal passac, was pervious. When pervious urachus mares, he said, are worked but little during the is wish a suture that has been made thorough- in summer, when in the harness much of the time. quently with an ordinar, antiseptic. as a 5-per- than for the sprinz colt. The little fellow will get Is regards joint or navelill. modern science be out. the yard every day when other horses can
 work too much, and
aetting them later


What Breed is this Hors
makes it rather cold for the littlo
follows before they haur. Wean the colls
about March 1 1st, Abou garch some
which gives
time to get the the mare in qood Shape for spring
work. The colt ent oats, and when $\begin{array}{ll}\text { grass } & \text { comes, let } \\ \text { them } \\ \text { out, }\end{array}$ teach them to
come to the barn cory night, so
hat they can la hat they can lwo t will not do t .
try to carry a fall try to carry a al
colt through the
first summer on first summer on $\begin{aligned} & \text { on } \\ & \text { grass alone. Such }\end{aligned}$ arass colt, well started, and kept grow-
ing right alons. ing right along. work and earn living and $\begin{gathered}\text { after } \\ \text { aft }\end{gathered}$ 0 and one-hai
ears old, which is
vear ahead half a year ahead
of the spring colt instead of a year
behind, as some behind.
claim.
antuln ard of a colt he tivel.



unsatisfactors, hence preventive meas- the mares to breed late enough in the fall, especial
in hese consist in apply, of if they are thin in flesh, but when once started
insidered hest.

Foul Feet.
When horses ar

YHE FARMER'S ADVOLAXE
then a searling, red, sired by Cumberland, dam
Sittuton lictoria, and purchased Sitty ton Iictoria. and purchased/at an auction
sale in Cnicago in May, 188\%, by Arthur John thon. of Greenwoad. Unt, While he did not figur been showm. Indian "ficf was the
first-pri/e and hampoon winnong bulls at leading khows than any that had preceded him in Cramada 4arge animal. h.. had good characte
qualite, and was backed by the best of breedine Which old splendidly in his progeny

## massice and well-4leshed roan $=13663$

 earling, was champion at Toronto in as hewn by R. \& S Xicholson. Sylam; and in ste Wompethion at the World's Fair, in Chicage, entucky, he stood third in the aged class. bein㫫
diane

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Honor Roil of Shorthorns-VI
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Gestation in Sows

THE FARM.


The Lowa Silo
 cultural Vexperiment Station, have been making a
wers thorough stud) of silo construction. From their oun. thes have periected a type of silo distinctun watures. Thes haw called it the lowa silo silos of their construction have buen in wherely thirir utility may be gauged. Very full details are giwn regarding the structure of this
silo in Bulletin 117, Lowa Experiment Station, Ames, lowa. It is built of hard-burned, hollow clay bullding hocks witrifive hollow bricks), having the appearance in cross-siction of tw either straight in their longest dimension, or both to the interior and extcrior of the wall. The lour-1nch wall is athundantly strong. and costs little, according to the authors. The mortar aiout $3-1-6$. The reinforcement recommended is No. 3 hark, high-carbon wire, and is placed in
every mortar i,int at the bottom of the wall. where 4 -inch ihlocks are used, and doubled in every lower joint where -inch blochs are used. As the
top of the building is approached, No. 6 or No. The roof is made of concrete laid on expanded metal. It has a wide ledge, which serves as a
platform whelly er access to the roof is required.
the in when The silo may have either individual or continuous doors. The continuous doorway has cross ties
12 inches apart. The doorways are of reinforced 12 inches apart. The doorways are of reinforced
concrete, "hile the doors themselves are of wood.
If propelly constructed, the authors of the bulletin If propely constructed, the authors of the buletin
believe that a silo of this type will last several enerations. It is fireproof, is very strong is consenient, is wonomic of silage, is attractive,
takes little reparing, and is quite frostresistant,
Howern, it is not as frost-proof as the doubl .

Fencing of the Wood-lot.
 $t$ he to our best interest, and of thase whese con
o fence these areas? It is under these

 stow-going businms, proposition. Does it look
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$\qquad$


Doorway of Iowa Silo owth. Where sod had formed ower the ground. This is not to be wondered at, "hon we consider frrent now and firty or one hundred vears ago. Sust so with our field crops-where spring wheat
usid to be grown successfull, today it is not a
pay ing crop. Lack of protection is one of the greatist handicaps, but Mr. MacMillan claims we nood-lot If this provision affords the needed shollor, it is all casy way of rightopy nated that the ditions, but it is surely to be deplored that would
provision oi same is so impractical. What it asail. if grown-which would tave twents-five years, at least-in such a case as recently came to the writers hnowledyr, happening just a
whens ago, when four acres of wood-lot was demolishand in about iour minutes? In nearly every instance where our best and highest-priced agricultural land of Old Ontario is claimed by such a forest growth as I have precously described, these areas are annually detui. Now, is this progressive agriculture? On The other hand, if these areas were under cultiva-
tion, and tilled intelligently, would they not be steadily improving in iertility, and value, as well as the product of these wood-lot can serve but increase steadily? the wroduction of fuel or timan usis of a cultivated area, its produce may t,e of fruit, of field crops. or it may be specialized turns derived. If farmers-who, in rencral, unfortunately, are not-were so positioned as to be ahle to play the
part of national bencfactors, by setting aside a hart of their farms as a forest reserve, the reasonmy for the taking up of iorestry so generaty
might apply; but while it behooves the farmer to make the most, out of all, as to-day. such areas must be put to more profitable use, while the f ster's fond dreams remain in part inreaded "Sys
While Mr. MacMillan's comment is headed matic Farm Forestry will Pav," we fail to note unvening further alon, the line of profits to be Lained until we reach his last sentence, when he oncludes with the statement, basis they can be made Murn a pood cash rental." which, however, h. ?rops at this juncture, without outlining the busi-
noss to be followed: but, this is alout the ness basis to be followed: but this is abrout he
way we would expect to he told how to farm the "ay "e would expect to the to conditions I have
"ood-lot profitably. under the
enumerated. I will again add the words I conenumerated I will again add the words I con-
cluded my last article with :" Of course, I would most emphatically encourage the preservation and most emphaticaly encourage orige inal forests-the reforestation of all areas that will not produce farm
cro's protitahly, but will carry a splendid forest cro's protitably, but will carry a splendid Worest
growth: and there are many such areas. Where
grow is and grand is not adanted to other purposes, by all
laneans get it under trees, and let them grow into
mery to what they, will, and be., Fiven every advantage to Dundas co.. Ont. Crairk hamiloton. Note-Mr. MacMillan, having gone into this lished in our issue of January 27 th, 1910 . probawo considered it unnecessary to repeat his calcue

preservaton, under ally and all conditions, th
show us how profitalie use is to be made of suct
arons ws wodto chance, is laboring under a hears mortgage not, it does not matter-but at any rate is pay-
ing annual taxes, and maintaining fences on fifteen ing annal taxes, and maintaining fences on fifteen or twenty ucress of the best of his farm under such
a growth, while he needs the most his iarm can a growth, while he necds the most his larm can
produce, going to realize the most by setting out
to preserve and renew this area as a wood-lot? to preserre and renew this area as a "ood-lot? The first point emphasized is that the stock
must be shut out, thereby cutting off what little must be shat out, thereby cutting off what
use misht be derived from the area from pasture: use micht be derived from the area from pasture-
all pronts or recnue must come from timber production. But what is this to consist of? The
annual amount of dead wood to be cut out. or the annual amount of dead wood to
pruniny or thinnin's process of the undesirables or serubby growth he refers to, "ould only make trewood of an interior quality and anyone who has had the least hit of experience in the placing
of firewood on the market knows that this is just of hout the least productive of profit. over the expense of producing and preparing same, of any
wnture the farmer can undertake. Furthermore,
unvone hnows that. with the stand of hive trees altrady very thin, to proceed to cut imber in the
iorm of the best fice irees, so as to derive a satis iormory the best fice rees, so as to derive a satistactory annual revenue, means a depreciation of
lalue at a much greater rate than the annual
 two lam. types oi silo walls, having less mathe
rial niminy their inside and outside surfaces and
fair proportion of merchantath, timht, will, har
ring tue somen hat rare chance oi destruction by
ring tice somen hat rare chance of destruction o
fire or storm, eventually make a wery satisfact on

showing, indeed. As to the possibility of the
of desirable saplings. we can only conclude that
the lots which have come under Mr. Hamilton:

tions in Eastern optario are radicalls different
amined scores of most excullent woodlots. whic
wimed scores of most excciltert wood-ots. which
in py the simple expedi-nt of keeping out stoch
ning. We have set to hear of the first authenti
ning. We have et to hear oi the first authentil
cated instance where this than has fated of satis
factory results. Opinions diliter, hut, for our part
we woult far tather leaine in son tine ten or
wifeen wacre wood-lot than the" cash that might l,

chancese are ene would be athout as rich in property
and vers: much richer in satisiaction and character
Of cousse. such wood-lot should be. located. by

Homemade Lightning Rods. Would you kindy putblish in your papre a more
detailed account oi the construction of lightnin rods, ts to proper method of attaching to buil ings, what is used for upright proints, and how
support them; what protection is given chimne on gable and cottage roofs? 11 so, do vou con sider the single heary cable better than seeeral
small strands twisted? "here can we get the necessary supplies
Probably the most satisiactory homemad.
lishningrorods are lighning-rods are made by usin- nine strands of the total length of rod seeded, running it to the grounds at both ends of the building, if the build material for uprichts as for the running rods in twisting the "inut topet her, allow six inches the wires to a state driven into the ground and to the spokes oi a wagon wheel close to the hub, the wagon, tlevat" the axle, rotatc, and wery soon the strands will he properi) twistel hoget hery
For ulprights (which should be five feet high) use
 nailing it down. By cutting the purights six and a hail ient long. untwisting a foot and a half.
und using it to fusten the upright to the main
rad upper points of the wires in the uprights should ove spread apart und filed to a point The main roul is ustually fastumed to the buily
 lact © two spines may hew drien in the forn The wain row should be grounded at least sint



Tiling Roads in Illinois.


Field Penny Cress or Stinkweed

It litur hatme rome pour article on whe
 as to the parentage of the wireworm, lich - bere If are no more their parents than nour or d are If you do not helieve this, go through a
old sod tield on a clas farm in any part iniste grown-looking mospuitues that rise out of the grass. These ire the parents of the wirewnom, not the chick-berll s. There are not enowh of
click-terties in ali Mutario to destroy the crop in one tounship, if the were all gathired together I am sorry that our cormespondent is mis
tahen in his ideas concerning these insects attach
 in the first place, are not motyuitos, and, sirand
1s, are not the patents of the wireworm They are commonly hnown as Crate Flies, and in Fing
land as laddy "long Iags, and they ar. the parents of darh-eras, dirt-looning grubs, com
monls hnown as 1.eaiher Jackets, and quite dis inct from the wirew orms bring largeg in size,
and totally different in structuri. The Click Beetles, which are the parents of the wireworm, are extremely common if they are looked for in
the proper place, and as ach of these lays a large number of eggs, it is rendily understoad that one
ciich-bete may he responsilile for a large number
of lary or wireworms of larer or wireworms. In addition to these two
insects. a third beetle larva, the white grub, which insects, a third beetle larva, the white grub, which
is the larva of the May or June Peetle, or Bug, attacks the roots of grass and other crops. and for this as destruction, "specially in ontario. For this, as well as for wireworms, methods of
culturation are the only means by which these in-
sects chan and the lite-history of the wireworm and these other insects, as we and other entomolowists are con-
stantly doing, he "ould be easily convinced of mos mista e; hut as he apparenty has not fol-
lowch out this life-histors I am anraid he will
have to take the chidence of all those who have Long Shocks in Favor
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, port the cap sheaves are inether than the long shock, In the old dats, When barle was grown for the
breweries. and color was otn important considera-
tion. th. round shoch was in weneral use as it tion. th. round shoch was in general use, as it
shielded thy grain from light showers and the
night dew. loul. how....r. when barley is grown


Alfalfa Successfully Seeded with Corn.
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ull raul
$\qquad$
 How We Have Used the Split－log Drag．


 $\underset{\substack{\text { iomernet } \\ \text { agree } \\ \text { and }}}{ }$ bs＂The Farmer＇s Whocate ${ }^{*}$ in its favor the


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When lirst we started to use the drag over the When lirst we started to use the drag over the
section of road in question，we found that the road was not in a condition to obtain best re－
sults irom dragging．While the road had been
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Realizing the great bencfits to be derised from

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 Yetion，why turper


## after More Light．

Vour editoral of June 16 th reve cals some mis

年 .1 .1 noi insinsible to the beauties of nature，but
proter the trees near the dwelling，and not too nowe trees near the dwelling，and not too
ingh．I refer the delights oi the planted park
of the bites of the mos uitoes and snakes in the the bites of the mos fuitoes and snakes in th et themt the fruit trees．which sield both pleasur and prolit．
Perth Co．．Ont．J．11．BI RS． Note－hs community，we mean the area served
in a woodiot，not only，in respect to fuel and in a wood－lot，not only in respect to fuel and
timber supple，hut also in respet to the regula－
tion of water flow，local protection from wind． （1）such moderate ，watent as this is possible；the harboring of birds，and the gratification of that isthetic sense which is，after all，the best part of dignits，the tang and the

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act is, they are not Not " more than half," as

$$
\begin{aligned}
& \text { he phrases it, but in the neighborhood of six- } \\
& \text { sevenths oi the total ash material, and from two- }
\end{aligned}
$$

$$
\begin{aligned}
& \text { in a year's growth of trees is returned in the } \\
& \text { leaves and twigs. only a small proportion being }
\end{aligned}
$$

appropriated in the form of wood growth.

$$
\begin{aligned}
& \text { appropriated in the form of wood growt. } \\
& \text { As to relative composition, we find in Hopkins } \\
& \text { ". } \text { 'il Fertility and Permanent Agriculture " this }
\end{aligned}
$$

$$
\begin{aligned}
& \text {.. :oil Fertility and Permanent Agriculture " this } \\
& \text { comparison of flax and wheat, calculated on a }
\end{aligned}
$$

$$
\begin{aligned}
& \text { comparison of f } \\
& \text { fercentage basis }
\end{aligned}
$$



| Flax seed．．．． |
| :--- |
| Wheat |

Without splitting hairs，let us sav flax grown
for seed is about as exhausting as wheat，ton for for seed is ahout as exhausting it to be more so Warrington offers the following comparison of the
fertility removed in wheat and several kinds of fertility rem
tree grow th
$\qquad$

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                                    M,
```

$$
\begin{array}{llllll}
\text { Wheat. straw } & \frac{2,003}{1,183} & \overline{50} & \overline{28.8} & \frac{19.9}{21.1} \\
\text { Total croi, } & & 4,1
\end{array}
$$

$$
\begin{array}{lllll}
\text { Beech. wood } \\
\text { ieaf litter...............2,822 } & 10 & 4.2 & 1.5 \\
39 & 8.8 & 9.3
\end{array}
$$

$$
\begin{array}{lllll}
\text { Total produce } & \frac{2,975}{5.797} & \frac{39}{49} & \frac{8.8}{13.0} & \frac{9.3}{10.8}
\end{array}
$$cotch，i＇ine，wood．．．．．2．884 $\quad 2.3 \quad 1.0$

Warrington also discusses these figures as foltable represent the composition of the produce obeech，spruce fir and scotch pine forests felled for
timber，and are the results of extensive investiga－tions made in liataria The annount of drs matter in the annual for
est grow th is in＂x．e．s of that vielded by an
 tirbed, and allowed to manure the ground, the r
quirements oi the forest become extremels. small
iar
 pine timber are produced with a consumption o
only $2 \frac{1}{2}$ pounds of potash and 11 pound of pho onhy 1 pounds of potash and 1 pound of phos-
phoric acid per acre per annum, with beech tim-
ber, the quantities required are rather larecr. The ber, the quantities required are rather larger. The
amount of nitrogen in timber is wery small. the annual growth of beech wood contains. on an
average. about 10 pounds per acre. The amount in the luaves and seeds is much more considerable
Forest trees do not produce seed till they are oi Forest trees do not produce seed till they are of
mature age the sed is formed at the expensel
of matier previously stored in the tree "hen the oi matior prevously stored in the tree when the
titter is not removed, the surface soil will gain
considerath? in organic matter containing both cousiderably in organic matter dontaining both
ash constituents and nitrognn durner the earlie
years of forest growth, and thus greatly improw in alue It is evident.: writes proi Harcourt, in rai-
erence to this matter, that the leaves and smaller twigs will fall from the tree to the ground, and the fertility contained in them is returned to the only draught that the growing of timber really is on the soil is represented by the
amount of fertilizing constituents in the wood.
The figures which oul have given for fis anit The figures which you have given for flas an
wheat. 1 presume, are for the part which is abol wheund. or the part which is cut in harresting th,
grop. It seems to me that the comparison mad crop. It seems to me that the comparison mad. larion on the fertilizing constituents in that part stands altogether in favor of the forest, as a mean.
of preserving or increasing fertilits." With regard to Mr. Burns' various calculations,
it is necessory only to point out that he has is. it is necessary only to point out that he has ig
nored the important factors of seed labor, ann
general farm-running expenses. as ior implement. eneral Tarm-running expenses. as ior inplement
etc. This completely invalidates his conclusions
It is net returns, not gross receipts. that afford basis for estimating the comparative profits a
tree growth and field culture. By the way he ha tree prowth and field culture.
not told us how much net prof
from his own farm.-F.ditor.]

The Rented-farm Problem The cry of increased cost oi living, coming
from the cities and towns, due, in part, to in creased prices of foodstuffs, most of which
produced on the farm lands of our country, is produced on the farm lands
the inevitable result that has followed in the
wake of the steady exodus of farmers' sons and wake of the steady exodus of farmers' sons and
daughters from the farm and farme life and employment to the towns and cities, with the promise of more congenial employment, and rosy prospects
greater independence early in life. This, then, followed by the greater exodus from old Ontario to our Northwest. has in large degree stripped the Omtario farm of its greatest asset, and has lowered materially the producing power
of the Prowince. o carry on their farming operations, have eithe urned their once cultivated and fertile fields int ing power, or else have sold their land and have
retired before time, to join the army of consumretired before time, to join the army of consum-
eis. and such invariably howi loudest about the inc. and such invariaty h
increased cost of foodstuffs. This condition of affairs has resulted langely fromit the placing of a false value on the conditions surrounding ontario farm life, especially when compared with town or city life and conditions ig
he Western parts of Candad. Voung men of Ontario have failed to see that there never has been a more faverable time for Ontario farmers than
 mea have inen shortsighted, and many a father
has encouraget his boys to choose some other calling, or advised them to seek their fortunes in the cest whereas. ane extending the io operations, and might casilv have doubled or trelhled their in boe in the family, and thus carned capitat sulticont to start cach of them darming. With as goos
chance of succes as he conjowd himseli
$\qquad$
 present t.me; and, when he counts lower cost of 1 have outlined towards owning a farn of your
clothing and the lesser temptation to opend his ounc much less rish than by buying
mones, he will save as cours
 sul away from the pure air and light oi heal threshing ecery day, in preference to the opporth best time of your life for becoming a successful In five years you should have saved $\$ 1,000$,
and you are twenty-three years old. You will
have no trouble to gage on some town dwelling or store or better, will bring at least 5 per cent interest Then go ahead for four years more, and you should then
have another $\$ 1,000$, or a total of $\$ 2.0(4)$, and in a position, as to capital, and should be, so far rent a 100 or 125 -acre farm. lou should have Lool out for gool tand and good bouldings. especially good stabling for stock, and as aood a
location as possible with the other requirements
 Giet a ${ }^{-}$to 1 c -year lease if possible, because
short-time leases have tended to bring the avcrage rented farm into the state in which we find it to-
day. The tenant knows he may only have a short run. and he takes all he can out of th
$\qquad$


A Neat Cement-block House.

up, the land, with fair hope of getting a return doing so. Take a look at the average renter iast farm you would buy dorty . with poor fences
and buildings, and gradually beroming
and and buildings, and gradually becoming worse
What is or who is to blame? Both landlord and tenant. The tenant often makes the mistahe of more capital to farmo successifully now than it did twenty-five years ago. Let the land towner know
that you can buy and pay for twenty cows. and the other equopment necessary to farm cows, and necessars equin a wise man, he will furnish the
$\qquad$

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$\qquad$
$\qquad$

## than those who owne their farms onl: but are mortgaced for nearly all the: <br> $\qquad$

$\qquad$ a total capital. with stock and imploments You can now safely invest $\$ 3,000$ in a farm
"worth $\$ 6,000$ or $\$ 7,000$, paying hat good prospects for paying off the balance with health and good management and more, with good at eighteen without a dollar, at the age of fert and and that invested in a farm, with stock uge, is more independent or comfortable at his
H4. he mon under the splendid conditions of a farm home, and moral, which prevail in Social, educational
realized the ambition of his early lifo, has realized the ambition of his early life, and is the Labor and Materials for Cement Silo.


Sanitary Cow Stalls.

suggestions for men building or re- ry-cow barns are contained in Isulletin the dominant factors in stable con-

Milk, cream, butter and cheese trades 11 require freedom from filth, odors or disease germs, and only by providing for the foregoing
items are these ends accomplished. In the earlier days of dairsing, few of these things were con-
sidered. Dark stalles.
Doorly phanneds floors and gutters, and rigid stanchions, were cus-
tomatily used. In the erection of new stand is an easy mater to arrange for plenty stables, it
while in the new taingel lactors mas, by careful planning, be obIn either oi these cases, the entire sta-
for the bexing installed so that the interior is free The execution of the best available plans. nick or cement. Mlank floors should be of wood,
in cow stahed Etand on, are not iney are easier for the cows to Mes. but they wear out duichly, they absorb the
moisture and conequently retain odors, and can-
not ion flushed or wached not io flushed or washed satisfactorilys, and can-
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tin Dow fout the intire wall from the foor
man is in a faithe rood position at the present
time Then mot to this whil is a powitive acer
sion to tenant farmine. the whl "an the man finn to tenant farmine the oml wat the man合 means of thos, two dowpised methons of cain.

$\qquad$
$\qquad$

JULY 28, 1910
The following diagrams represent the different
cypes of gutter construction, which are self-ex-
planatory. Each has its advocates.
Many men advocate the use of stall mats made
of seven-eighths-inch lumber, so placed that they
may be easily removed freques off the cold ce-
They are used to keep the cows
ding is not plentiful, making an easier material



Four Types of Gutters in Common Use.
Forms A and B, which are similar, are most comof the greater depth of $C$ next the stall, and the sharp
$\qquad$ a vailable, "ill accomplish the same ends. With a sloped cement the entire stable may be easily flushed thormats have to be removed, it takes much labor, and so prevents the frequent thorough scrubbing.
Liquid manure must be preserved. Plenty of bedding will absorb, and thus heep it from waste.
Another method consists of a storage cistern. conveniently located, into which it runs. Traps must
be placed in the gutter to admit the liquid excrement into pipes leading to the cistern, at the
same time withholding the solid manure. These pipes must be of good size, and as straight as
possible. On the average farm, the absorption
method, rather than the cistern method, is the most onvenient.
Below are three types of cement manirers. These are built in at the same time as the floor.
They can be used as water troughs very satisfac. torily, and in every way give satisfaction in use.
They never wear out, and always are kept sweet
and clean. Movable wartioions can be arranged hetween the individual animals,


The New Ideal Stall.
$\qquad$ made stalls. The guides for whe the chain, drawing the cow
$\qquad$
$\qquad$
$\qquad$
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Fleshing and Marketing Poultry
Feshing and Marketing Poultry Show, Ottawa, 1910 .
I sometimes think that poultrymen are divided into classes, very much as poultry themselves ar In poultry we have the utility class, and the fancytry worid. In poultrymen, we have the workin class, and the talking class-also both important and necessary
Not being one of the talking class of poultry
men, I feel quite out of place in attempting it say anything to you on poultry matters.
in fowever, as I have had considerable experience give some of that experience as best I can.
Taking up the subject of feeding, dressing an packing chickene, in ieceding we will confing oun
selves io the last period of the market chicken life, the feedin. or fattening for market. can this best be done a." Most decidedly, in
crates. We have several objects in crate-feeding One is that we wish to fatten our chickens, as wo wo
do our other stock, beiore do our other stock, beiore marketing, that we may
receive the best and most profitable price : an other is that, irom confinement, entire lack of
exercise, and soft milk feeding, we change and inexercise, and soit milk feeding, we change and im-
prove the table qualities of chickens.
There is no comparison in the quality of the There is no comparison in the quality of the of a chicken allowed to run at large until market
day, even providing it were possible to get them

Now comes the question of what we are to
feed. Do not make the mistake of thinking that you must have the same kind of af balanced ration ior this period as you have had for other stages
of the chickens", rowth. You do not want to produce bone and muscle now, you want a fatten
ing ration. ing ratio
to pack and grade a association was called upor ens. Much to the surprise and disappointment o
the owner, we found them ery the owner, we foumd them very little. if any, bet
ter than when they were put in the crates, al ter than when they were put in the crates, all
having to be graded No. 2 . On making inquiries
as to as to feed used, we found that they had made what they supposed to be a balanced ration, buy
ing the required number of pounds of wheat. oats luck wheat. etc., number of pounds of wheat. oats,
hall ground up together
and fed mive and fed mixed with nilk in the usual manner. In looking ui, $^{\text {i }}$ the samples of grains from which this
was taken, we found the wheat badly shrunken. the oats very light, and the buckwheat equally poor, and his chickens had bren consuming about three parts hran, oat and buckwheat hulls to se
cure one part of fattening matter. This shows
the importunce the importance of giting thought to and knowing
something about the composition of the feeds we feed. We do not lay down any hard or fast rule, rest fattening value for the price paid. the For instance. last seaton, or 1908, corn meal
was very high in price with us, as we had to pay was very hich in price with us, as we had to pay
from $\$ 1.5$ to $\$ 1$ (M) per hundred pounds whil rom $\$ 1.5$ to $\$ 1.9$ per hundred pounds, whil. meal could be bought for considerably less. We, ars.
or 1909, fust the reverse was the case. as we
ould get any quantity of corn meal at from $\$ 140$
 graims lefore mentioned were from $\$ 1.75$ to $\$ 1.80$
per hundred pounds: consequently, we fed mostly
 We min all fard ahout to the consstuney oi
gond thich morridge fecding tuice each day, maknge food to remain in trougho for atwont sollow-
 maia lone in troughas, the hirds tome their alpe


 old custom
appearance appearance.
P'acking is also a ery important point
aiter giving best atcention to all other point do not put our chickens up in yood neat pachage
or boxes, we will stand to lose something in price We have never found any box equal to the one dozen regulation box described in Bulletim No. 7 These boxes give complete satisfaction to the trad as they are made in five different sizes to suit all
sizes of chickens, and one dozen chickens of uniform size and quality can be packed in each box.
We are looking forward to the time and We are looking forward to the time-and, we
hope, in the very near future when all the poulhope, in the very near future- when all the poulours will be sold according to quality, with established grades, as it is the only fair way, being would simplify the whole poultry trade, guaranteeing to all fair treatm.nt and value
paid.
 in Aprill and May. My incubator is of 120 -egg the number of hens it would take to cover that many uggs. The inculator never spoils eggs by
leaving them, never tramples newly-hatched chicks, breaks no eggs, and to it hen lice are an unknown The only disadvantages I ever found in an in cubator are, white diarrhea in newly-hatched Regarding the former, we had chicks enough di one or two years to discourage any poultryman, but we never had healthier chickens than we have
had the last few years. Probably, if that disease had not made its appearance, chickens would not be worth raising. Although I have always had too large a percentage of fully-developed chicks
not hatch, the result of my last attempt this sea not hatch, the result of my last attempt this sea-
son shows conclusively that. with the proper conditions existing, the incubator will hatch just as
well as the hens. well as the hens. It would not be fair to com-
pare the hatch of one hen to that of an incubator. The cost of running is: 3 gallons coal oil, at an cents, total 54 cents; 1 lampwick to two hatches,
5 cents : five minutes three times a day for three 5 cents:
weeks.
five minutes three times a day for three intend to We We tried giving newly-hatched chicks to hens, but like the brooder far better, and are looked after than with hens. The thermometer In my incubator hangs above the eggs, and the
rulus say to run at 103 degrees. I run the ma hine ut 105, as this makeg 102 on the eggs, the 1 don't believe so much in turning twice a day a. in changing the relative positions of the eggs a Rood hatch the essential conditions for securing good wentilation where inculator is running, and the correct amount of moisture The last hatch aced ia the nine vears. namely, 100 stron exper ens from 108 fertile cges. The cuss were secured the "inter (Ine male bird was mated to twenty floor wouli dry was mun in a collar where the
 120 (ags was the original number. and the case


Professors Praise Alfalfa for Poultry

Marketing Good Eggs at a Profit We must cater to the consumer. if my cus Comers wanted green or blue eggs. I would give
them what they wanted, and charge them well for it. You will have no trouble in charging them, if you give them what they want. And not arysanding all that is sald about high prices, price. are more interested in the quality than in the last winter reason of the boycott against egg. the quality was not what it should be. There ar hundreds of thousands of consumers in the citie looking for a prime article, and willing to pay sold your eygs for here this morning nor a bro course, I might which so sou sold your broilers. Seing that I had to do it, but it there was system wherehy: I could get more money for my
products than I was getting. I would get after that srstem. I remember the time when we sol eggs ior 7 and 8 cents per dozen, and well-grown
cockerels for 40 cents per pair. is. I suppose nine-tenths of all the eggs sold it Coronto and Montreal markets reach the consumer from two to four weeks, or more, after they are
laid. Now, an egg is not first-class when it is
four weeks. it for eating. These cggs are kept, in the from and then held by the grocers perhaps for days, week. I was in a bakishop last week, where they
were using a large quantity of eggs. ©very one was broken into a cup, and I was told that one cent., and occasionally 40 per cent. Now, who
pays for that . The producer district where eggs are purchased are gauged right that those who put up a district. Is it pay for the foolishness and dishonesty of others. 1 believe that most of the bad eggs marketed be come bad through ignorance. At this time of
the year, an egg under a sitting hen for 12 hours is unfit for use Some people do not know this. They do not know that a nest of eggs found in co-operate, and get your marketed ise honest neightor as possible Do not be afraid to help your products if you let your neighbors thow of your know, and enable them to produce a better article, age. This improves marinets and prices. Then lots oi eggs, one sorted, and the other form. Two will not bring the same price from a discriminating customer. Go down to the market and look oxes side by side. one has as many berries as hit on the morrins are smaller, are mussy, and or the whe.. box Fivery customer, whether he
 are fairls uniform in siee, all ot wroduce enough, To help out, I used to rat
fow eqge from som of the nowhbors. iii. It twand out that 2nses of these absolutely new-
 lut. going in
hat. not hav


GARDEN \& ORCHARD

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Cablbage Worms and Lice

Wor cansage "orms, a mixture of prethrul ow our of flour, hept in a close cannister or ja thuy is death 10 evers caterpillar it falls upon
whermeding to the late ir. Fletrher. It not onl Willit by coming in contact with the insects, but
 invinon that it would pas to get one of the be
 the material, put it in a sinall muslin bage, thi tutp that win a cece of the stick. With anoth
halue irom the end
lugtry stick, tap the bag, and just enough of th mowder will drop on each cabbage to kill all th
unaturpilars on it. This way is more economic andulars on it This way is more economical iteal of time. Some entomologists recommen
Parime green. either dry or mixed with watel
Thut Tir fletcher considered this dangerous Wut ir
on account of the possibility. of the noiso
grotting into the center of the calinage heal throug the turmels which the cabbare worm has a hal
of pating into the center of the head
 pompde is spaving with kerosene emusion or what
nil soup solution upon the first appearance of th
lien liee The formula for kerosene emulsion is conl
oil 2 qallons. rain water 1 gallon, soap pound
Boil the soap in the water until all is dissolved,
Boil then while tomiling hot, turn it into the kerosene
then chirn the mixture coristantly and forcibly
wind churn


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Artificial Heating of Orchards

less thun ten cents a gallon. 1 here are usually not mure than three or four nights in a season
when one would require to make use of the heaters and a heater burning one quart per hour is col
sidered to be doing excellent work. One can cal culate from these figures the approximate cost
heating an acre for one night, or any number of nights, as the case may be. In addition to theil use in orchards and iruit plantations for ing bloom, they would also be of great value to for use in preserving the crop from early frosts in fall. In my opinion, they would in many cases much more than pay their cost. at frost con ditions prevaded for several of course, facilitate matters very greatly it would, of course, facintate ma used, so that no The large ones cost more, but would probabl.

## THE FARM BULLETIN.

What is the Matter with Ontario Agpiculture
It is not the intention of the writer to attempt answer the question, 'What is the Matter with ntario Agriculture ?"-that will be left for more on the criticism and solution of the problem, as fiered by one styling himser, He says the opening demand for farm produce is very apprarent, but, in spite of this, the farme is not putting forth any great ethort to meet sell rirofitably all that his farm was capable of pro ducing, surely greater eflorts would be put forth The five or six acres and sown, underdrains would be put down to drain the swamp in the "corner" fieid, and fit it for the production of something and many more things that would increase the parts of the farm in a condition worse than use less is not tringing to bear the energy and enter ,rise necessary for successful farming. cial worlds are largely recruited from the farm but they depart while young, leaving, in too many cases, the stragging stons that certainly requir hood ond it and more brains as any business: that is, if one desires to make a real succes of farming. These "shoots" often possess do mant possibilities which require in an agricultural
awaben them, such as is given in an college. There must be something the matter when out of all the farmers sons in Canada, O. A. r. for the two-year course.

Re failures in business. To merely earn a liv ing on a farm is not extremely hard: therefore
-rops arvendan

Iruit iarm of $/$. Reed, where many thou-
sands oi pots will be provided as soon as the
trees sel out begin to bear fruit.". prof. Crow, " that this spring, for the third time, thes demonstrated to their entire satisfaction the
ieasibility of fighting frosts. Their crop this year will amount to 2,500 cars, and but for the use of destroyed. It is reported that the apple crop of tion escaping being Grand valley, Colorado, and with frost-fighting apparatus. Various styles of heaters are in use Those most in favor, so far
as 1 could learn, use a grade of crude oil known
$\qquad$ Oil is more expensive, but is much more easily ar ace, white, of the smaller kinds, as many as a
an andred wre used These are placed in position
hure

 lied in telephone of the danger. Some growers Mase a sistem of electric frost alarms, and these
are said to he satisfactory, although most growers
depend on reliable thermometers phaced at various points in the orchard. Actual injury to blossoms or lower is reached. As a rule, however, the 32 degrees, as it is considered much easier to kee
the temperature above 32 degrees than to raise it to that point once it has fallen. The oil-burning Heaters are fitted with covers that serve to keep in the orchard A small handful of cotton waste he readily in eachted heater, When it is decided that hea is neeled, men go through the orchards, using torches, and in a few minutes the heaters are all
in orperation. They have been successul in keep-
ine the temperatures in their orchards above freezang the temperatures in their orchards alo heated areas fell to as low as 20 degrees F . could makie good use of these frost-fighting ap Whances. Oil is more expensive here than it is in as to cost. and the heaters can be laid down here $\$ 20$ to $\$ 30$ per hundred. 1 . o... factory, and Colorado and other parts of the West are manufactured in the Fastern States, so that freight alles is ontario points would be only moderate no doubt, he procured there in quantity at a very
seving mone
too many fail
The farmers of therefore, they ought to rule. But what do they do in case of an election? Do they, irrespective of party, vote for the farmer candidate, who is
truly interested in agriculture or do they for the smooth-tongued lawyer? One glance at the occupations of the M. P. P.'s will show. The farmer has himself to blame for the props the
Government puts under the businoss of the manufacturer or the distributor. Comparatively small amounts have been voted for agriculture in Ontario, but some farmers are grumbling at the ter-
rible waste of money. They say it is iargely a oss, as they are not benefited in return. They are indirectly benefited now, and would be directly If they tooi the trouble to read the bulliotins pub-
lished by the Department, or subscribe for and read a good agricultural journal, and bencfit by the suggestions in them. Considerable has been written about cutting hay while green, and the
benefiti derived therefrom, yet one farmer near benefits derived therefrom, yet one farmer ne.ar
here, with 80 acres of hay, 40 of which is clover: had not started by July 12 th.
While the farmer can do practically nothing to rost, yet he can prepare, to a large extent for such conditions as drouth, heavy rainfall, lightand by drainage, hy judicious tillage of the soil, winter and spring precipitation to tide the crops rainare thing but a long continued drouth By sut in wet weather. Lightning rods and insurance are good guards against loss from lightning: the force of destructive winds, as well as more ear. regulating the preipition throughout the ments require help, and hired labor means move Bulletin 174 of the Department of Agriculture should conlince the skeptic that drainage would
pay handsomely, even where hired help is expenpay handsomely, even where hired help is expen-
sive. Something is the matter, or all the young boys would not be going to the city.
Farmers. as a class, should follow more closely Farmers, as a class, should follow more closely
Bome moto, such as, Enlovment is the Chief
End of Life." Ware Enlv. going through this world once, and while on the journey we should
be optimistic, and strive more for enjoyment. In
this way. muich of the drudruy of he disappear. As requids production, whatever may have been
the condition in Hast ings during the past few
years, thin io iuc of that years, the wat of the field crops in the Province
was. greater in the yars $1915-1908$ than it was in
$1901-1904$ t ook thuch like one half the former production
Middlesex Co.. ©nt.

## Eradicating Dodder

 sporeted .". with doder Thus, the field will be the "spots" and lurn without moting. or reseed. Ciet far whough out from the borders of the serosel Gmall pieces of that the dodder is degrow. Should a fict have become generally in-
fested, it is advisal wo to pow wh the clower field rop be a cultitated, non loguminous one. Work het of the ground ans dodder sowds that may be the seedings th cultivation should sewd haty he crop orer, then plow and follow with a culti-
ated crop) Instead of either plow ng, shallow cultivation, follower phowing or burnnere the plan is to cause the seeds to germinate Stratheone Dew Uutchinson, Dhatame Aly way be made of the stand of clower on the desiredt anards for aged bulls were. 1. Melson, with Black roviding it is cut for hay. pastured or ground fested tield must lo plowed under without delay


## Calgary Exhibition

 and invor. in two-year-old stallions, W. E
Butler, Ingersoll, (Ont, won with Manilus. The
champion stallion was Turner's Seahum Wason

## shorthorns-In "ATTLEF showing of shorthor

 Shorthorns-In a strong showing of Shorthorncattle, exhibitors were W. IH. English, Harding.
 Thos. Mrosford, Airdric Mruce, Jas Wilson, Innisfail: 1. M. Bredt, of Regina, made the awards. In the aged-bull siction the phacing was 1, English,
with Mikado, by (rusaderi 2,Jos. (aswell 3.
J. M. 13ruce. isulls, 2 years old-1, Jas. Wilson, M. Mrace, Bulls, 2, years old-1, Jaswell Wison,
with Monnie Favorite; 2 , K W. Caswell, with Jilt's stamiord. Senior yearling bull-1, and cham-
pion, English, "ith Lancaster Iad, Junior year-
lings-1, 1, wall. with scotch Goods.
 calf-1 and resorie champion, IR "Caswell, with
Augusta Star
3 U Inslish, "ith Roan Marshal years or over ", Na, Ne, Shadow, ('ow, throw

 heifer 1 , Kh "I "aswellon with Lady Emior yearling 2, English, With Poplar Park Bess: 3, Rpress
well, with
wis
as $1^{1}$ and 2,12 . II Caswerl, with Village vanity and Miss Netti, 11 thl 2 2. R. W. Caswell, with Sy with







THE FARMER'S ADVOCATE

that is all. Against all the powers time that they abuse it the same "writarser," likewise his invaluable qualinot contest, and have never contested, but this I wrong to wish it encased in a casket worthy of I would again repeat that $I$ have not, as some correspondents would show, attempted tobut. The
poor farmer black right from the insido poor farmer black right irom the insid
points touched upon were only those of externals that are applicable to only certain local have the in the least so,
good fortune to possess some of those irreproach-
to and examples.
controversy is concerned, I would say that if it and induced us to take note of the conditions which do prevail around us, be they better for even that thouse under be received without bitterness of spir-
little good, be
one thing I would say of myself: Be my opinions mistaken, presumptuous, or but founded on narrow or immature views, I have had, a
least, courage of them over my own name. An least, courage
now I cheerfully '.. turn the other cheek."'
Carleton Co. Ont. MRS. W. E. HOPKINS.

Experience with Fall Foals Wanted FXPERIENCE.
Regularly as autumn, the question comes up Why not breed some mares to foal in the fall? Ther
would seem to be certain distinct advantages would seem theme perhaps, being that the mare would ie in better condition for heavy spring
work, whilc the foals coming in the fall should receive more personal care and attention by the
owner during the important first six months, than
if dropued in the spring. and by spring they could owner during the spring, and by spring they could
if dropped in the ste stal-
be turned out to pasture. The service of the lion, too, "ould be secured at a season
was not ow worked, as many of then are in early
summer "If course, there are disadvantages in summer. "If course, there are disadvantages in
the wlan oi having fall foals, one of them being the diflicult, oi catching the mares in season And, too. the mares are not in the best will con pare with those spring-born. in respect of growthi-
ness and devclopment, is another point Th
inanifust advantage, if satisfactory, of breeding i
we never saw them so plentiful. An Institute this summer.
Kavitz, of the O. A. C., Guelph, and C. M. McRae, of the Live stock Branch, ottawa. Aarmers, by giving then the very best information about seeds and plants, and the breeding and feeding of stock ior profit. The jointworm, that has of the Island
damage to the wheat crop on parts of in recent jears, does not seem to be much in evidence this season.
The apple crop is going to be sinall. Plums are also scarce. wild fruits are going to be very

Active Fammers' Clulos in Thum der Bay District.
The Dorion Farmers' Club, Thunder Bay Dis-
and trict, reports successful meetings for Mallowing topics Importance of Timely Work on the Farm, Co-operation," "" Curing Clover Hay "or at the uly meeting they decided upon a site for a ers' Club building. The attendance at practically ng was eikhty-six, which means that practicall the good work in hand. During the series of meetings recently held in
the Thunder Bay District, clubs were formed at the Thunder Bay District, clubs were Iormed at The following places: and Murillo, Ont. Organizations existed previously at Burriss and Dorion.
The farmers in the newer sections of the Prov ince appear to appreciate to the full the good
work which can be done through local organiza-

Big Increase in Trade
ancrence of $\$ 10.354 .623$ over June last sear. For the first quarter on prement incal yea paratice increase of $\$ 36,608,(0) 0$. or over 25 pe $\$ 109,384,187$, an increase of $\$ 27,2 \$ 1,997$. Ex
ports of domestic products for the quarter totalled
$\$ 57618937$, an increase of $\$ 8,321,933$ principal increase in exports was in agricultural products, which show a betterment of nearly six
millions, as compared with the corresponding period of last year. The customs revenue for Jun
was $\$ 5,864,9065$, and for the three months $\$ 16$.

Dry Weather in Carleton Co. Hay and corn are at,ove the a verage. Farly
grain will be up to the average, but potatoes won't be one-half crop. The excessive drouth has
destroved pastures, and there is slim chance of
and been maintaining my mind and and

Taft Speaks for Reciprocity
tions between Enitad States and Canala

$\qquad$ a grand country, just learning how great it is dministration, we are convinced that the tor the . If, in the next year, we can come 10 an oser which will make our trade rrations ime in our development when neither should be ealous of the other. The more prosperous the me, the more prosperous will te the ot the other
rade of one as it grows is the trade of the , itted itates and Great Britain ure now either setted hat this could be said." o this cordial utterance, by way of a condition. i Manitoba, as reported in The Globe " In reference to the Vnited States' offer for
reciprocity in agricultural machinery. Nir Witrid
said he would only consider the offer when they "arts." circumspect measure of tarif reciproenty

## Good Sense Rather Than Fine

 Clothes.I have read with much interest Mrs. Hophied amusei and interested, The old saying. that there are always two sides to a question. seems to fall. people with different viewpoints. Now, one correspondent brought out a laet which I think we may all well consider, vis. Why
is the farmer always compared to the mercliant is you ever notice that? The city is not mate up of merchants, by any means ; possibly,
tenth. Then, why is the merchant always bieuth tenth. Then, why is the merchant alwast incter
forward comparison? There is another peet to mention. Why all this bother about baye leaving the farm? We do not find any unoeet to
farms lying around; and if some boys mant to farms lying around; and if some boys ant the
do something else, let them do it, without all dother and talk. Does the merchant foree afit boys into the store, or does the doctor and lawyer make all their boys follow family will follow is father's foutsteps, but the rest usually breat
intor other things. We never hear anythine ale it. I say, let the beys and girl
Is it not a recognized fact that our mertien
men come from the country, and tale on ontive
part in the affairs of the nation? And it all al
part in the airgirs of the nation? And it ailial at
ways be so. In the city, a chidd's mind is aleape
ways be so. In the city, a child's mind to aloage
so filled with little, unimportant unigen thet so filled with little, unimportant iniges it
does not have the same chance to grow io
there is not the chace to in the country. There is not the chance to eutry
vate the habits of industry and thrif. There vate the habits of industry and men on fare to
a great many good, first-lass men on to
day; but ii there is not enough farme to go Dace in other spher us of quite. We eftele the the armers' sons mahi mg a succes of life is otion
rarmin.
Now, as to the tyeneral deportunent of eor har:
rs: They do not have the sloek
 hown in the country as the wity. The thed
 learn that suavity, and bowing and erapase
saying flattering inings. is not ury nive
 Now, as to dress, that important in men
 fashioned bonnet, with a martet later -

$\qquad$

1216
a' that" I liring this uly because in comparing
city mith country people, it is always in dispar
agement in the agement of the latter. There are well-to-do farm ers and weli-to-do city people, and just the reverse
in both places. Country people do not. I hope, come as near the
fashion-plate ideal as city people do. Here is one reason A farmer's wife is right at home with
her husband's business. she knows just what he is doing every hour of the day (except when he is in town); she usually hnows all his plans ahead.
These, with her own wort, so fill up her time and mind that she has very little of either to stud fashions. Now, as a rule. city people know noth-
ing oi all this. Oh, husband is a merchant, a
lawyer or doctor lawyer, or doctor, a tinker, a tailor, and that is about all they know, as long as the money comes
in regularls. Do you see the point? What will
she she emplog her brains at? Mrs.
dress, I mas a nel to work, and there is the rusult-a more fashion able dress because her country sister did no
spend her time that way inoculate you with the idea that your liie's wor is to dress as your city sisters do. Do not do can buy such nice readymade suits, we do not need to bother, and can still make a fairly creditable appearance. No one likes to look shabby or shows good $\qquad$ aste to dress
untry women
mater good sense, rather than their noticeable for their - Then let us pray that came clothes.

That came it will
May bear the wree and or at
That man
to man the

- NANIE werster.

Breed-study Contest: Announcement of Awards
Thirty-one answers were received to the ques-
tion, " What Breed is This Bull, and Why? "pub-
bished in connection with the picture of a polled bull, appearing on wage the picture of a polled tered fram Prince Edward Island to Alberta. The only correct answer was one of the three received on the first mail. It was from Irvine B. Whale that the bull was a Red Poll, on the surmised ." Becnuse hin expressed reasons. low-set, heavy fore quarters; is not as deepbodied nor as full at rear flank as is the Angus, Twenty-two replics suggested ales
seven put himl down as a (ialloway and-Angus Shorthorn. The name of the bull is Davyson 297th, end he was champion at the Royal Show
in England this year, being exhibited by Lord in England this year, being exhibited by Lord
Cranworth. The photograph was sent us from England by a professional photographer, and we
may as weil confess that the idea of a contest was may as well confess that the idea of a contest was
suggested to us by having heen ourselves mistaken suggested to us by having been ourselves mistaken
at first glance concerning the bull's breed. He does considerably resemble an Aberdeen-Angus or a appearance in the picture, due to the exposed side made, thus aggravating the tendency of paicture "I black in a photograph or half-tone of cerutiny will
show, however, that the bull's as that of a typical Angus, nor is he quite solownot strongly marked and no one who futsed him the mdgment We belinu this compentition hat
J. Lockie Wilson Abroad.

THE FARMER'S ADVOCATE

## The Late William Rennie

 minent and influential personalitie death, on Sunday.July 24 th, of Withe well-known farmer and seedsman. in poor health for some time. had who had beell paralysis on May 23rd, and had been Scotch parents in a log cabin it Township, in 1835. His early days the homestead, which is now known were spent on medal farm ". of Ontario. In 1860 he lefithe homestead and started farming for himself on the Hill. Rentinglon of Markham, near Richmond his and and established the seed firm thit ho his name, and which has now grown to larew aro pipeg grow many of his own seeds, he again assumed Seloped it, until, in 1884, im competition for the best-managed farm, he was awarded the finst
medal, his brother winning the gold medal
Rennie retired from business in 1889, leaving the was asked by the late John Ilryden, then Minister of Agriculture for Ontario, to take the position
of Farm Superintendent at the Ontario Agriculural College. This he did remaining there sir rotation and shallow plowing, so as to heep the upper laver of the soil well filled with humus. I
on retiring he published farming." He was prominentlv colled "'successful Toronto Industrial Exhibition, and was a lover of Clydesdale horses, figuring as an importer. His farm used to be the center of some very interestFarmers' Clubs. In 1862 he married Sarah (i)

Making a New World's Milk Record
College of Agriculture, at Columbia, Missouri raise and develop the champion dairy cow of all Friesian cow, finished her six-mosenths' a Holstein 18th, producing $17,008.8$ pounds, an average of
93.4 ;ounds of mik daily for 182 days. This is equivalent to 46.7 quarts, or 11.6 gallons every pounds. This record is the more remarkate 110.2 Canse no special preparation had been made the tegt, and Josephine has done her full dut, had tive culves in five of the University, hav Not only has this record smashed
 cent of buter-fat is increasing dails. so that harring accidents, this cow will undoultedly prothan any other cow that has wer been tested in cows owned by the of a number of remarkable and maintained solely for the insty of Miseouri, sturwnts in angriculfure and for investimational of butcer in onse var. Five of thes. colvs. or 2 , ber cont of the total number, are owned and were owns more than 300 purehred and registmed ani-
mals, belonging to 17 distinct breeds Josephine:s remord axceeds the present

The Late H. S. Peart

Weed Seeds in Western Feed stuffs.

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3ran, shorts
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dlings ......


## Coming Show Dates

Regina, August 2nd to 5th.
dmonton, August 23 rd to 26 th
anarlian National Fexhbition, Sept. 3r
${ }_{2}$ ith to September 12th Thon August
John, N. B., Dominion Exhibition, Sept. 5th
to 15 th
Condon, September 9th to 17 th
Charlottetown, P. E. I., Sept. 20th to 24th
Victoria, $13 . \mathrm{C} .$, Sept. 26 th to October 1 .
Haiifax,
N. S., Sept. 28 th to Oct. 6 th. New Westminster. B. C., Oct. 4th to 8th.
Maritime Winter Fair, Amherst, N. S., December Smithfield Club Show, London, Eng.. Dec. 5th to Ontario Winter Fair. Guelph, Dec. 5th to 9th. oronto Fat-stock Show, IInion Yards, December 12 h and 13 th
$\qquad$
$\qquad$ iruit at the Fruit Fxhibition to be offered fo
John before the close of navigation in St John before the close of navigation on the St persons in in cach counts, to the extent of $\$ 700$ private being offered, making a grant total of $\$ 1,200$ are prize-mone for this event For particulars, ad
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THE FARMER'S ADVOCATE.

Feed-






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QUESTIONS AND ANSWERS.


Veterinary

## Spinitis

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& \text { PRESATATION TO WILLAN MOM } \\
& \text { GOMERY. }
\end{aligned}
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in July 8th. Womeri. Nontgomery.

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\begin{aligned}
& \text { On July 8th. William Montgomery. } \\
& \text { Banks, hirkcudbright. Scotland. } \\
& \text { (efipient from his numerous triends of }
\end{aligned}
$$ complimentary address and printed of a 1 raits of himself and his wife. with at sith

ler necklace and diamond pendant ane
Mrs Nont comery over eighty senth and nearly an equal number of ladies becas 1. Wesent at the banquet in the Towr Hall
Ihere were no less than 3 so subscribers thy the presentation fund, and the trotal swame
realized was $\$ 3,305$, including $\$ 50$ trwin the Clydesdale Horse Association of Comm
uda. who sent a cordial ofticial letter (ulnuizing the great Montgomery brmen for
their enterprising spirit displayed in ther improvement and dissemination of ther
1.reed of Clydesdale horses. Amory there
 return, paid a well-deserved tribute to
the guest of the evening. and to biol estimatle mother, expressing the to equan hany, that her sons oved much of them

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HAMPSHIRE LAMBS WANTED Manse intorm me wiwe there are any

## NOXIOUS WEEDS

1. Is there a law in Ontario prohibit
g the allowing of noxious weeds going
If so, how would a man proceed? here are some people around here very a township blowing all over. rio 1897 Yes, Revised Statutes of Onrevent the chapter 279, the Act to of diseases affecting fruit trees; the Con solidated Municipal Act, 1903, empowering manicipal councils to pass by-laws for preventing the growth of Canada thistles
and other
weeds detrimental

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\left.\right|_{\mathrm{F}} ^{\mathrm{t}}
$$ bandry, and for compelling the destruc Lion thereof the Ontario Statute of 1904 (Chapter 27 ), to amend the law respect-

ing the destruction of noxious weeds; the Ontario Railway Act (1906), 6 Edw cially sec of the Revised Statute espe 2. By laying an information, or caus ing one to be laid, before a Justice of
the Peace. See Sections 9, 10 and 11 the Peace
of the R

## TRADE TOPICS.

windmill and water-supply CATALOGUE, FREE.-One of the neatest things in catalogues we have seen for
some time. is General Catalogue No. 26 some time, is General Catalogue No. 26,
issued by the Heller-Aller Co., manufacturers of baker winders, and water supplies of all kinds. While this is supposed to be an agents' catalogue, the company advise us that they would be pleased to
mail a copy to any customer about to mail a copy water system. It is neatly bound, indexed, and contains over 200 pages. Write for a copy to the Heller- Aller Co., Windsor, Ont

The Western Fair, at London, Ont., as
a livestock exhibition, is becoming more popular each year. The classification for
the different. hreeds of live stock is toll the different breads of live stock is well

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=15-
$$ arranged in the prize list, and the prizes

offered are extra good this year. In addi-
tion to the cash prizes, there are a num-
our
Aid tion to the cash prizes, there are a num-
ber of good specials. The cash prizes

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n=m
$$ for cattle, sheep and swine are all in-

ereased, and a large entry is expected.
 The rule withholding enird prize whecen no
competition was offered has been withcompetition was offered has been with the animals are worthy. Medals will be
given in some sections in the sheep degiven in some sections in the sheep de
partment. The speed department and attraction programme will be of particular interest. The programmes are being printed now, and will soon be ready for
distribution. All information will be distribution. All information w
given on application to the Secreta

MARKETS.
Chicago.
Catcle-Texas steers, $\$ 3.60$ to $\$ 5.70$;
Western steers, $\$ 3.50$ to $\$ 4.50$; stockers Western steers, $\$ 3.50$ to $\$ 4.50$; stockers
and feeders, $\$ 4.15$ to $\$ 6.40$; cows and
and Hogs -Light, $\$ 8 .-0$ to $\$ 9.10 ;$ mixed,
$\$ 8.30$ to $\$ 8.95 ;$ heary, $\$ 8$ to $\$ 8.75 ;$
s. heavy, $\$ 8.20$ to $\$ 8.75$, pigs, $\$ 8.75$ S9.10;
Shep and Lambs- Native, $\$ 2.60$ to
$\$ 4.25$; Western, $\$ 2.50$ to $\$ 4.25$; yearlings $\$ 4.25$; Western, $\$ 2.50$ to $\$ 4.25$; yearlings,
$\$ 4.10$ to $\$ 5.50$, lambs, native, $\$ 4.50$ to

Bpitish Cattle Markets.
1.iwroool quoted swall cattle in good
steers.
$0.15 t \mathrm{c}$.
Deptrord
at 1067
adian cattle


Toronto.
est Toronto, on Monday, 25 h receipts of live stock amounted to 162 cars, comprising 3,400 cattle; quality of
cattle generally good; trade slow up to noon; prices 25 cents per cwt. lower on all cattle. Eixporters, 86 to $\$ 6.85$;
picked butchers', $\$ 6.25$ to $\$ 6.50$; good, $\$ 5.75$ to $\$ 6$; medium, $\$ 5.25$ to $\$ 5.70$; $\$ 5$; milkers, $\$ 35$ to $\$ 0.5$ cows, $\$ 3.50$ $\$$; milkers, $\$ 35$ to $\$ 65$; calves, $\$ 6$ t lambs, $\$ 7.65$ to $\$ 8.10$ per cwt. $\$$ \$9.40. f. o. b. cars at country points, and $\$ 9.75$, ted and watered. The total receipts of lioe stock at the City and L mion Stoch-yards for last week


## Che Ganadian Bank

 of Zommerceaffords to farmers and others every
facility for the transaction of their banking business

Accounts may be opened by mail and moneys deposited or withdrawn in this way with equal facility.
SAles NOTES will be casbed or taken for collection.

Branches throughout Canada, in cluding Toronto, Hamilton, Mont and Truro

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Cheese-Shipments of cheese from less of those for the 5,040 boxes in last rear. being 015,000 boxes to dat
Prices last week continued steady her
hwin" in the ancinit or Quebers and Ticinity of 103 c . to fraction mure for Ontarios.
':rain-The market for oats continued
to adrance. No. \(\quad\) Canadian Western ats were quoted at 45 tc. to te
bushel. ex store, carloads, Montreal
ads. Htce to 45 c .: No. 3 barley
Flour- - Still advancing with the ad ance in wheat. Prices for Manitoby
first patents. \(\$ 6.30\); seconds, \(\$ 5 \$ 0\) and strong bakers: \$5.60; Ontario patents higher. at \(\$ 5.40\) to 85.50 , and straight rollers. \(\$ 5.10\) to 5.20 .
warket for bran lately. Ontario in the hass: middlings. \(\$ 21\) to \(\$ 21\) per ton, 1 moulle. \$32 to \(\$ 33\), while mixed mouille
was \(\$ 25\) to \(\$ 24\) per ton. Manitoba bran "as \(\$ 25\) to \(\$ 2 s\) per ton. Manitoba bran
was \(\$ 20\) and shorts \(\$ 21\) per ton. Cot onseed meal is quoted at \(\$ 2 \%\), per Hay \(\$ 14.50\) to \(\$ 15\) rer ton for No.
hay: \(\$ 13.50\) to \(\$ 14\) for No. o \(\$ 12.50\) for No. 2 S10.50 to \(\$ 11\) Her mixed, and \(\$ 9\) to ₹ 10 for clover.
Hides.-Markets are pour all over Forld, and prices have declined here spite of improved quality. Irrices were
ic. down last ween, and were evected ininsperted bider cent down this weeh ninsperted hides were stc. per 1b. Mont-
eat, and Sc. this week: No. 3 hides wene
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Cheese Markets


In the Little Ugly Brick Building.

Evidently Not the " Ugly Brick Building.

teacher shows them that the "usly" make a simple seed-tester, and demon-caterpillar-no, the "wonderiul" strate its use? Other questions will
caterpillar. when one understands it readil suggest themselves, but all may derenop into the heautiful mas summed up in the one ques in a strange resurrection? Wr that try boys and girls? ".
the froy gors throush a series of in considering these questions. the marvellous changes in its development
from the egg to the full-grown croat from the egry to the full-grown croak-
er on the lily pad? Or that the buter on the sucks its nectar from the depths of the flower by a long tube which it
inserts, then rolls up, like the mainspring, of a watch, when it has fin-
ished? These bits of information may not help the child to make a things will give him a greater interBut something may be done even at
the schoolhouse... With a homethe schoothouse. the bulletin goes on. "/ a quantity of soil, some simple
appartus that imay be purchased at appartus that may be purchased at
small cost, or, better still. made by small cost, or, better and girls; and the plants that grow in the school district-the
weeds, the flowers, and the cultivated
$\qquad$ plished there are helpful books. "Not
Then,
only are there good text-books on agriculture, but there are hundreds of ture, agriculturai colleges, and the Department of Agriculture, these bulletins being or free distribution." A very insignificant charge is made
or imerican bulletins sent into Canfor American brlletins sent into Can-
ada Ed.)
(: There many things that every teacher who has to do with country
life should know there are some life should know there are some
things that the best rural teachers
will know

their preparatory course, a training in some agricultural college enoug and appreciate the agricultural side of biology, chemistry, physics, geol
ogy, etc. ©ne oi the tirst essen ogy, etc. . One of the tirst essen
tials for getting the subject of agri tials for getting the subject of agri
culture properly started in th culture properly started in the schools," he says, " is to have a school inspectors. If this is no may be to a reat extent submerged or lost sight of, because of some un mpathetic inspector. I have visiter while quite interested and sympathe ic in the cause, really do not fnow how to show the teachers what to do or how to do it. If these inspectors or some similar institution. at Guelph, weehs, and have the elementary sub-ject-matter and pedagogics of the subject properly placed be much good might result."
With teachers, inspectors, parent pathy, what might worning in svm plished towards making be accomrural population more intelligent in their work, more prosperous-above their work, more prosperous-above
all things, more interested and more happy. It is ridiculous that the education given in rural schools should have been for so long carried on with no rural bent whatever. It aroused to the importance of the gim

The Spoliation of Country Roadsides.
We quote from New York Independat: "There is an admirable sofor the Protection of Native Plants. $A$ recent leaflet of this society. writ appeal to spare our roadside a strong appeal to spare our roadside scenery day tendency to 'clear up' the roadsides by cutting down the very plants that beautify them, and which our ing to reproduce in private grounds ard d. public parks. He says : ". The amount of information that
the country roadside can impart to the country roadside can impart
him who seeks it is unlimited. One day I took a short walk along a counthe road in New Hampshire, where the roadside tangle was left untouched. It did not harm the road, bey ond. Out of curiosity, I began to note the plants along the way. In enaller plants. I trees, shrubs and he -five species. It is this feast fo the eve and the mind that
country roads so attractive.
I It will be well for road commis-
sioners and the owners of roadside property to think on these things and conserve our gieatest rural
it first thought, the average road nonsense. The reasonableness of it will appear when it is remembered that our native plants which grow
amon hardwood trees, such as should amon, hardwood trees, such as shoul line whery roadway, are not veeds macgressive never running past th

II

## THE FARMER'S ADVOCATE

after results may be pneumonia or tuber-
culosis. Indigestion-Nothing is better for indi-
gestion than a teaspoonful of baking kestion than a teaspoonful of baking
soda in two or three ounces of hot water, as hot as baby can take it; feed
through a nursing bottle or with a CPoon.
Diphtheria begins with a iiphtheria begins with a sore throat
high temperature, swollen glands in the neck, and white patches on the throat and a discharge from the nose which is
sometimes bloody. In all these diseases the mother should contagion. It is foolish to say "chil Cren have al got to have these diseases
sooner or later, and they might as well have them over with." All people
not have to have these diseases. After twenty-one years of age the chance of 1aking them the first time is no greater than the chance of taking them the
second. Castor oil is one of the most valuable
remedies. The dose is 15 drops up to
three months, 30 drops at six months. and 1 teaspoonful at one year. A young
lraby will take it readily if the nose is the throut. A little granulated suga sprinkled immediately on the tongue give a pleasant sensation and cause th
baby to swallow. In an orange-juice sandwich In
dessertspoon or tablespoon squeeze enough crange juice to coat the spoon, and fill
one-fourth full, add the required amoun of castor oil and then fill up the spoon Castor oil should be used chiefly to remove some fermenting substance in the
intestines, as in diarrhea. or constipa-

## The Beaver Circle.

CAll children in second part and second books
will write for the Junior Beaverse Department
Those in third end fourth booke, eleo thos
then



## Sleeping Out of Doors

 13oys-and girls, too-have you evried sleeping out of doors in summer, tred sleepng out ou doors in summer, of
tent or summerhouse, or on porch o.
ieranda? If not, you ought to try the deranda? If not, you ought to try the
experience for a while. Country folk seem slow to take up this new practice.
and yet it growing rapidly in the ities. I know many people in this cit cept in rainy weather, from May to N ,
cember. I should think it would much more pleasant in the country, where
the milk-wagons do not come rattling ver a granolitic pavement at $40^{\circ}$ clock
 Now, I am going to close by quoting
he words of a country-lover, who has
then the plan a trial, and who is, by
the way, no other than Julian BurWen the plan a othar, than Julian Bur-
he way, no other
cughs, son of dear old John Burroughs, oughs, son of dear old John Burroughs,
1 whom you have heard. Here is what Though I am a farmer, Working all day n the open air, a year ago I began to
teep out on an open porch, both to see :leep out on an open porch, both to see
"hat effect it would have on my health hat effect it would have on my health
nd to study the sounds of night. It
as proved a delightulul revelation to m. as proved a delightful revelation to ork, and have had no colds; further,
$\qquad$
$\qquad$
was too late, and, though I ran fur


Sleeping Out of Doors
the screech-owl. or the call of the cuckoo knowing it. I have heard the night Then I may hear the soft talking of my sounds and felt the pulse of nature, from tock of tame matrards. Therhaps one of the beautiful woontight over the river them. will awaken me with his clarion- with its dazzling lightning; the driving, like complaints. sobbing northeasters of autumn, or the Once I had a winged black duck (anas of my mallards near the house with one he morning this wild bird would come slyly out, preening itself or puddling in the dish of water. Compared with the
tame mallard, bred tame for but one generation, how sly and repressed and artive this truly wild bird seemed! If
raised my head or moved, it was off Mke a shadow. One day I found it was
truly gone: its wing having healed; it had silently flown away. In the autumn mornings I always hear


THE FARMER'S ADVOCATE.


The Beaver Circle.


Bleeping Out of Doors.
Bligs and girls, too-have you ev
nat mever otet of doors in summer,

$\qquad$
$\qquad$
$\qquad$


Slopping out of Doors
Any handy boy could maxto mads such as theoe tor the porch
the screech-owl, or the call of the cuckoo. knowing it. I have heard the night
Then I may bear the soft talking of my sounds and felt the pulse of nature, from flock of tame mallands. Perhaps one of the beautiful moonlight over the river my "gorley geese," as the children call the roaring, crashing thunder shower fike complaints.
Once I had a winged black duck (anas savage gales of a winter north-wester. of my mallards. In the early light of Beaver Cipcle Notes. slyly out, preening itself or puddling in Winifred Colwell, King's Co., N. B., has
the dish of water. Compared with the sent us a very nice tabulated description generation, how sly and repressed and Anemone, Low Evening Primrose, Star I raised my head or moved, it was of Indian Turnip, Adder's Tongue. Next iruly gone; its wing having healed; it had into a composition, so that we can pub-
silently fown away.
In the autumn mornings I always hear much, and could write well about them.


A Holiday Dream It is holiday time, and litule Has nothing time, and thetle do to tot play As the twilight gathers stal

And he dreanss that his toys atre all alis White shewt Ited under the stif That grow in the tarruyard boux The beasts march out of his Yaty The bro wieli-oprove apples sming to ment But the goblins slimb to to is rest ting.place. How their biright eyese fast and glean They grin, and pul at his curly hair-
Ho wakes-it is all a dream

 mother two brothers, and my sister, wh
is my faverite Their have hherea horsess and throw cold


 the Semior Second Class, and have been



Black-eyed Susans
$\qquad$ in the grames.
 Haunts of Juno thes Out alropping alto ogether in sum and shower, do not tat. Frilly, yellow bonnets wart. nower thank of Suits thanging wem well, the saucy ones oier the Cheertul kyvises, triends of birds. know the brooklets turning. their secrets fro
gossip learning.

aths will quickly pass-saue


Cutting Hair
$\qquad$
$\qquad$
$\qquad$
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$\qquad$

The ingte Nook.


First-Aoor Plans
oleum-covered floors over the greater ph
tion of our housed, trusting to a movable russ for the meccasary cosem
Such a tlour is very Such a tow is very eacily lipt chaw
whereas the tacked-down curpet is a fir dust-catcher and dust-tolder. and is drelt
 clean, but it will likely be soee time
fore every family in the land is provited
with one.
Cloth-upholstered furaiture is also libely
Cloth-upholstered furature is also Liketr
o become. in time. a serisiss of dust


 Ereat barm serter. and blowd stow Sed so thater, in the emd the good of the nod a terter realimed ty seting that the be witated ant of the boase preve.
are not trilles in the rwom.
sible to
and suc sisick
suman ind such things should be done wich sumelt les many a patienuld be done thoubs asst a little carelessness. The buedr in a dineics. life may hang by a hair sutions Itear Dame and Chatterens.-Please mary
I draw my chair up again to hal. deaw my chair up again to have a lit
 sether now. When...The Farmer's Attron
cate" comes, it must seem like getting cate" comes, it must sem like getting a letter prom home, or else some dear trixemd Would madras curtains be nice for a
girl's room, to make it look cuev girl s room, to make like curtains over the docors in my
coom, same as at windows, and room, same as at windows, and paper all
to match, then, my idea was. it was to match, then, my idea, was, it was
cosy for one's lonely self. Don't your
think an exchange would thint an exchange would be nice for this
corner of ours? corner of ours? I mean exchangev. Nor of any kind. or flowers, bulbs, or putterns
ansthing. ansthing. I think it could be made erema
nore interesting by adding thic someone else send their idea? this wial Could you furnish me with a recipe Nor a good orange cake and marble cake?
1 must draw my chair away, thanking
rou in adrance. Please. Jack's wite. 1 must draw my chair awray, thanking
rou in adrance. Please. Jack's wite.
his tiaby for me. I do love theme. Sicrim. art muslin, and chints, or simple Ncrim. art muslin. and chints, or simple
White musin with insertion border. .are
all more popular than madras for bed com. A portiere for the door moed
heed to be of hearier material, but per tieres are seldom used for bedrooas
Orange Cake.- Make an ordinary Crange Cake- - akie an ondinary laver
calling and put together with the followity
fream 2 tablespoons butter, hlling: Cream ${ }^{2}$ tablespoons butter,
beat into it ${ }^{2}$ tablespoonfuls and a balit
of flour: add the grated rind of an on ange. \& cup orange juice, 1 of tablespena lemon juice, and $t$ cup sugar. and stir
and cook over hot water until thick.
Cover and let coet gnt and cook over hot water until thid
Cover and let cook gently for 10 mm Beat an egg until light: beat in
$t$ cup sugar., and cook in the hot mixture or a moment. On top of the cake. pmet
a mosting made thus: To the grated
 ange juice and 11 tablespoon lemoo juica
Add these to the beaten yolk of an exe. then stir in confectioner's sugar to mente. trosting.

$$
\begin{aligned}
& \text { Cake-White part } \\
& \text { cup sugar. } \ddagger \text { cu }
\end{aligned}
$$

$$
\begin{aligned}
& \text { thating powder. Dark part t cupp ous- } \\
& \text { ter. g cup brown sugar. } \ddagger \text { cup molasser. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { er a cup brown sugar, t cup molasser } \\
& \text { cup milk, yolhs } 2 \text { eges, } 1 t \text { cups thor. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { hite and dark in alternate spowatuls } \\
& \text { an } \\
& \text { iosi }
\end{aligned}
$$

Fruit Cookies

Went trom "Faruer's Wife" for truit

Ithis Couk. - - Two cups brown swer
and

Recipes

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ant word of encouragement for him; but
he never orcen orimesll upon her, nor did
ne suspect that her journeys to Porgisy
 inposed upon him he took small notice
of the doings of his little world, and What was clear to others was often hid
den from him. One morning, aiter he had taken Bess
across, he returned to the Petaguist side
to find Harry Cawdray to find Herry Carned to the Perajuist side
waiting with a bundle of blacksmith,
warrel-hoops aiting with a bundle of barrel-hoops.
The clattering iron was flung into the that glowed through sooty smudges. he asked.
Ye. Tis so good's can be expected wi
rew visitors about," John answered, se tling to the oars.
. Seems to I you've a rare time o'
"hat wi' girt men like I an' pretty litt " 1 don't take much countit o'
sengers." said John, smiling. " Rut you'd rather have one i' pettion
coats than $i$ ' corduroys-one like ${ }^{\text {Be }}$ Ruddock, now ${ }^{\text {. }}$ Maybe I would." said John, feeling the blood in his face.
'. A Ah young's young i' Penquist same's
$\qquad$ ng on his oars. He tried to speak in-
differently. Common talk that they've $a$-fixed things
up. How often have 'ee rowed her over these last few weeks?." $\begin{gathered}\text { rowed her over } \\ \text { John shook his }\end{gathered}$ - More times than there was call for. I
warrant. 'Twas allus the way betwixt
Penquist and Polgissy. I marr'd one $0^{\text {a }}$ Penquist and polgissy. I marr'd one o
Polgissy, an' that were twenty year ago.
They say Nat's doin' well. an' Bess is Tmart lass."
When the blacksmith wat landed at Mordinnick and gone clattering away with his barre-hoops, John Martin sat in his
$\qquad$
$\qquad$
$\qquad$ blind as to suppose that she might some day be for him-some day in the glitter-
ing future, when he should have cast off his weakness forever. $\begin{aligned} & \text {. } \\ & \text { seem wow it carth off } \\ & \text { while to struggle }\end{aligned}$ not seem worth while to struggle, it did not
seem worth while even to touch the oars again; yet when the ferrybbell sounded
from the Penquist side he mechanically shifted them in the row-locks and took
ap his weary task once more The days dragked on, and John Martin retired more and more, into himself: yet.
though joy was aluost dead in him, and seemed fruitless, he clung to the howe
hat Bess had given him. He would still
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A. M. HUNT, Secretary

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| John stepred across and greeted him |  |
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| dy tor what Por vanity |  |
| moneyly ko like water an' God's nait | ${ }_{\text {laid }}$ |
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| man nauns |  |
| the lot int the sa.". |  |
| e. hat mad in it a kind of prasionate |  |
|  | ${ }_{\text {coser }}^{\substack{\text { roperer }}}$ |
|  | that |
| or | in $\begin{gathered}\text { ant } \\ \text { a }\end{gathered}$ |
|  |  |
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 an mus. now iod The
Nut muth sestinuateon of wit irrovin
him with a eerk ot hios shlew









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information as to terms of sale, homeinfead regulations, and for special col-
stead rimes to settlers, write to

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or to TME HOM, MR. DUFTricult




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Doctors Gave Him Up.
MILBURN'S LAXA-LIVER PILLS CURED HIM

 with my lass the
impuesi



The Show Time for All Live Stock and I can furnith young Short the Breeding Time for Sheep is Coming ayes, and Shropshire and

| PLEASANT VALLEYSHOWTHORN HERDSHORTHORNS |  |
| :---: | :---: |
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| O. AMOS \& SONS, MOFFAI, ONTARIO. | and the night hind. Come and |
| m 11 mike cay |  |

##  h. Smith r. r. 3. Hay, Muron co. Ont HED-HEADING QUALITY <br>  <br> SAITIEI BIEOIRサIEOIRITE Elora Station, G. T. R. and C. P. R. J. A. WATT, SALEM.



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Ayr, Ont.
bindweed-St. John's wort
wages ror broken term cun wiven. sutw worting thew mont haven Mran wnew I would have. to. gi
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 MATERIAL FOR CEMENT WALK
 the gations thatern in m
 pay for to.". "ond


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 ramuw ran mixi ime kic E. H. DOLLAR ${ }_{\text {Near Prescote }}$ CEN
HOO
bulls
and
and



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BURDOCK BLOOD BITTERS makes Good Blood and Good Blood Moans Good Health.
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soc. = Eox Write for Free Sample the plectric bean cinemical. do lue
a lefthanded compliment. In anticichation of the Ershops's reveulat
oflician visitit to a certain rural Anglicar Church, Ereat areparations rural Aere belican





``` Miscellaneous.
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Stonehouse Ayrshires "w, viv




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\begin{aligned}
& \text { LINCOLN LONG-WOOL SHEEP } \\
& \text { And Shorthorn Cattle. }
\end{aligned}
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Write and ask questions 1 am here (1) answer any concernins cement as a concermm cement

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