PUBLISHED EVERY WEEK. $\$ 1.50$ PER YE R.

VoL. XLVI.



LONDON, ONTARIO, JUNE 29, 1911.
:


## 似川!

The Sunshine furnace is built to give you lasting service.
lasting service.
The Semisteel fre--pot weighs 20 per cent. heavier than the same size and pattern in gray iron. It is, therefore, better aur fumes, which tremendous heat. Ane ity inn cannot penetrate
are so destructive to gray in are so destructiv-as-glass surface of Semi-steel.
the hard, smooth-as

The durability of the Sunshine fire-pot greatly increased by making it in for expansion Adequate provision is thus made Less than I per and contraction of the met ale been replaced,
cent. of Sunshine fire-pots have cent.
whereas one-piece fire-pots are continually
.
ing, and are a constant source of expe Sunshine $-\cdots$ Another exclusive feature of the Sunssine
 Nickelied Steel has been smositrated that it
severe tests, and has demone severe tests,
absolutely
rust-proof.

It's an actual fact that most furnaces would
LONDON. TORONTO. MONTREAL.
ive twice as many years of service if they did not have their long
in use continually. in use, the cool, When your furnace is not in use, and radidamp air in the ce." This "sweat" causes plain tor to or iron to rust. And once metal begins to ust it has not long to live.
Make sure that your new furnace has Nickelled Steel dome and
will not gather rust when lide. Also make certain
ald strong grates.
heavy, strong grates. Four Heavy Grate Bars. The Sunshine has Four Each grate "rocked down"" (no back are to the shaking with the Sunshine thus the wear is not confire can be changed. Thus the wearited over the tinually on one side, but is the grates is greatly three
prolonged. three sides. Thus the ife on to
prolonged.
WINNIPEG. VANCOUVER. ST. JOHN, N. B. HAMILTON. CALGARY,

The Sunshine Furnace is an economical fur.
It is easy on coal, wood or coke. It will nace. It is easy on coar, wool bills.
ave you mopertly constructed it simply must It is so perfectly constructed satisfaction. If heat your hine fails to do so, it is because of some error in installation. In such a case we will send one of our expert havnace it corrected.
discover the error and haver
discover ar absolutely certain of a comfortable You are absolutely certain of a when its January outside- when you invest in the Sunshine. It is guaranteed by us to you.
We have a competent agent in every section in Canada If you do not know the address of the one in your locality, send a card or letter to the McCl y Manufacturing Company at any of the cities mentioned below, and you will receive an interesiling booklet and the name or an exper enced man, who witione gine Sunshine 'Furnace in your home.

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IUNE 29, 1911


A New Business to Profit the Farmer A dew channel for proft is

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a gasoline engine which is simple in construction, and will carry any load that the 2 wad 4
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By accomplishe. By accomplishing these equipment in a very short time.
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The matter of Stable Equipment is worlhy of your most
 sake it is important to have it nicely painted
barn it
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and the healtb of the cows, it it important that your
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Is a pleasure to work in a stable like this. When and does away with the will see how this eq big knees, ruined udders, and many individual
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Dr. C. Gordon Hewitt, Dominion Entomologist, says, referring to the infantile death rate from intestinal diseases and diarrhoea spread by the house fly, he believes that the so-called harmless fly is yearly causing the death of thousands of infants, as well as spreading the germs of typhoid fever.

## ไé wisoll's FLY PADS

are the best thing to rid your house of these dangerous pests.


## HAY-MAKING HELPERS BUILT JUST RIGHT FOR YOU

Hear the Dain story before you equip yourself with any hay-making imple ment. When you have heard it, you will buy more or you, like every upyou coud. For want the kind o implements that cost least in the long run-and that kind bears the Dain trade-mark Read here of three per fected hay-makers. Then ask for further facts that there is not room here to print.

THIS MOWER WON'T FAIL YOU
Dain Mowers are so built Every Dain Vertical Lift Mower comes to that, in the rare event of a you only after a test so tremendous it smash, an inexpensive part would makescrap of any ordinary implement. repairs them. Consider the value of this detail
 For sixty minutes we run this machine at a speed your horses never could. We do our best to wreck it. If we can't, you can't.

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The weight of the cutter bar is carried on the wheels, held down to its work by a giantstrength spring. The moment the horses move, the knife begins cutting, - not a motion wasted. Whole machine built with surplus strength in every part. You'll not be bothered by breakages if you get a Dain Vertical Lift Mower.
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wricel most reasonably, too. Simple construction, and almost break-proor. LEAST FRICTION
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to the last degree ; to withstand usage that would speedily wreck ordinary farm tools; and are designed for simplicity, strength and serviceability,
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be easier and
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 We are now in a position to supply the Farmer with either the Diamond Brand is a twine which we guaranted manilla binder twine, and at the market to-day. It has been thorouto be as good as inder Twine Companies In America.
oldest and most successful Binder Tw
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Average 550 feet to the pound 8 ㅇo
FOR 100 LBS. Dellivered to your nearost ralliroad
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promptly return your money.
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ORDER EARLY. Send in your order promptly, to-day if po twine at once, say so in your order, state when you reach so in your we will ship it so it whll reach
want it, and wat and
you on the day specified--but in all event you on the day specified-but order before
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July 1 st. Thus you will have your order
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Lead Arsenate Will Mill Potato Bugs Every Ilme stand two or three rains without washing off. will stand two or hrree rill Potato Bugs, Cabage Wormse
It never fails to kin
kis other lead eating insects.
tank like Paris Green. tank like Paris Green.
Simply mix "VANCO" LEAD ARSENATE With water, four pound
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After a farmer puta the "EUREREA" an hb
 "EUREA" can be instantly adjusted les. to get along without it carry- Hay, Live Stock, corth, wooks or rope pa

 CARRY TWO TONS IN ANY withs.
leagthe-and 38,40 and 42 itch wame.
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aropleie whece toe, plom saculan Every farmer should heve. one. 14


## ? 2 TIPE <br> (H) MaILK <br> THE <br> MOST <br> SATISFACTORY ORGANS FOR HOME USE <br> in buýing

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Wou secure one with the charming lone of a pipe organ, and at a price
that will please you. Buy a Bell that get the best made. We are the only makers of the patent Pipe Tote Reed Coils.

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As described in Bulletin No. ${ }^{175}$, Dept. o

Agriculture

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brought our Back Geared Mill up to a point as near perfec
on 1 y in strength
only in strength
and mechanical con-
struction, but in details, every item has been watchéd under
various conditions of the milt insernce and changes mac
with a
mechanical principles, durabi ity, efficiency for heavy work and self government, as
well as to maintain simplicity of decign and convenience of adjustment.
The mill will turn itselt out of gear at a maximum speed or when wind is strong.
The correct mechanical principle of carrying the wheel on the independent steel spindle, permits the ball-bearing "BAKER" mills to pump in the lightest wind. The gears are free from all weight and resistance and work rea was can
Parts subject to the greatest strain and wear are made to provide for these conditions. The entire mill is constructed with a view of giving long
service. All gears are machine-moulded from cut patterns. white for catalogue,
TME HELLER-ALIER CO., WINDSOR, ONT.


## EDITORIAL

E. W. Howe, the retired Atchison (Kansas)
editor, now living happily on his "Potato Hill aditor,,"
Farmarks that millions of elderly men are wearily earning money they never can use.

In his studies of human progress, Andrew White, ex-president of Cornell Lniversity, con-
cludes that exact statements of facts do more grool than mistaken theories can do harm.
What other form of feed storage will compare with a silo in cost per unit of capacity? And condition for winter feeding
strong characteristic of the Iron Chancellor Germany, Bismarck, was his love for country iife and pursuits. "He cares more for a turnip, said his wife once to some distin
"than for all your politics."
Mayor Gaynor, of New York, who keeps him self in goorl " fit," amid all his strenuous office life, by walking, preferably along coune is more says he knows of no place wher
philosophy than in a barnyard.

As the peoples of different countries grow beter acquainted, and the determination to trade with each other grows steadily stronger, the clearly Both are against the interests of the masses, and the masses will yet sweep them
$\overline{\text { where co-operation in manufac- }}$
en Denmark, where co-operation in manufac turing and marketing agricultural proced escape the financial crisis. Nor would Canada have done ") if all hery organized. The best hope for culd be a minification of the effects of the grea (lal waves of conmerce, finance and industr,
> onperation is goon, who promise too much.

Mr. Burns, the English M. P... stated recentl hat the Colonies were now receiving 67 per cent if the people who leave the Rritish few years ago. Mi.. Colonies only got 35 per cent ontries. Mr is per cent. settling it is possible for emigration Burns belteves Motherland of her population, and tates that three-fourths of the anmuan is willing ne Motheriand leaves her shores. not all the in "let the Colonlacs can take all that she can we she he way of desirable emith Isles the better. prertunities are many and carred institied in lead
$\qquad$
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$\qquad$
> opulated a

LONDO
The Popular Beef Ring .. The The half-share members put in an butcher of a A request in the last issue of May of "The other year. The secretary given good satisfacarmers A more of for four years reports, however, that for system, whereby tion for four this season, on account of the scar Canatian beei-rings. intios, a simple applipeople in tarious co-operation, supply cation of weather with fresh and wholesome meat economically, is evidently more reneral in Ontario, at least, than might have been supposed, and can doubtless, with advantage, he still more widely utilized. Extracts from com munications which the secretaries have kindly

## the paner.

The "Walton Beef Ring," Ifuron Co., Ont. with 41 farmers as members, has been in opera tion for five years. runs for 32 weeks, from the first week we charge .11 the first week in meat at 8 cents per pound, atcher receives $\$ 2.50$ weigh 450 pounds. Our butc half shares. The for killing and dividing ints extra to divide quarter-share men get so censtem of putting in their quarter. the animals the cound the circuit." Hensall. Huron Coo. has a dourishing ring of about 30 members. Verulam Township, in the County of Victoria, is reported to have six. At New Dundee. Waterloo county, there is a ring New Dundee, 45 members. The secretary and with er a Bruce County ring reports that it has been in operation for fifteen years, giving good satisfaction. It opens the first week dis. June, and, after the last animal has been own posed of, the butcher runs oll a which has also proven saten operating for ove Simcoe Co.. ring has beshare ring, with 23 mem 20 years. Hoard's Station, bers (seven hali-shares) Ont., has a 20 -member Northmmertan Bruce County ring of 16 share ring. Aromen successfully for two years, with very prospect of continuing. The secretar every prively suggests that one essential of a successtul ring is to have it composed of memters one will io do as near right as possible. venture to dispod many other things, as well as beef rings. The butcher for twelve years of a Halton County 20 -share romes, cal families with secretary, reporte them suphes. one ring in that mounts is reported to have broken down, but butcher was not a farmer, bun a) Mutwal Beef-ring The Crosstand (Simcoe (ombers, has been groing for 14 vears, and an 18 -share ring in Wellimgton (lath Nit a hitch for $1: 3$ sears. Mans shares are divide into) halves, thirds and quarters. There are 41 members. vaturaty, A Huron coounty ring, or ginized in 1901, has run successfully ever sin with 20 shares. seteral of which arre it was not a time there was a secont members, and those who possithle to keep suificient members, and have joined other rings formed in the disirict. Thi secretary of a simeoe County ring, $n$ the vicinity of Barrie, says he never knew , he failing, but two were divided, forming ditional rings for the accommodation of farmers,

Internal Protection in France.
$\qquad$ valizing the outworking of protection to be under mesent condtions, it is ., syatem of France at the internal prothe 18th century, when Turabout the inda or crusade against these got hegan his memora. Typical is the fact that an the River Loire, between Orleans and Nantes, distance of about 200 miles, there were 28 cus tom houses and between Gray and Arles, on th Gaone and Rhone, 300 miles, over 30, causing ong delays, and taking 2.5 to so per cent. alue of all the products transpo one M. Blanthough pathetic story is related wine in the south chet. who bought aris. At the of france, intending to bisict as it passed along chier vilage in each it not only for the mies for various individuals. At mient tariffs were levied, one for the Duke one for the mayor and lown council, one each for porivileced nobles, and one for the bishop. And so on at place after place, double triple and quadruple duties, by lords spirtual lords temporal, monastries, nunneries and the lik along the whole distance. In his efforts to break
the Farmer's Advocate and Home Magazine.
THE LEADING AGRICULTURAL JOURNAI N THE DOMTNION

THE WILLIAM WELED WERKLY BY COMPANY (LIMTTED). JOHN WELD, MANAGRR
Agents for " The Farmer'sis Advocate and Home Journal." 1. The farmer's ADVocatr and home magazine







8. ANowriptio
 When A REPLY BY Mrail is Required to Ungent 10. LETTRERS intended for p.


13. A
 ddress-THE FARMER'S ADVOCATE, or THE WILLIAM WEAD COMPANY (LTMTTED),
LONDON, CANADA
tained a declaration from the King permitting free trade in grain; but in declaring against the sysprejudice. Every province insisted that when Heaven had given it a good crop, it should enjoy the main benefit of that crop, and, whether crops were good or bad, the only safety from famine lay in the existing system of internal protection He was ridiculed, and even mobbed, bup with the the whole vicious syst was esult that famines disappeared from France for

Recuperative Year in Denmark Nowadays nations do not make hermits of
nemselves. They are all on the public street of the world, trying to learn and do business with others. If any particular country-does well or i11, consuls. commercial agents and journalists lose no time in digging out the how and the why of it for the bener an been in the represent. Little Denuark its agricultural prog ress and the success of its co-operative organiza tions for the eale and purchase of products. . a 1910 is set down as a year of recuperation "Farmer's Advocate" readers will, therefore, b interested in a few notes on the report of the British Consul, Lert, to more favorable yields
provement, in par crops, good grazing conditions, and better prices for meats. As in all European states during the nast 30 years, there has been a
ment of wheat-growing in favor of producing ment of wheat-growing in favor of producing
bacon and other meats, eggs, butter, cheese, bacon and other meats, eggs,
cream, etc. Mr. Liddell points out that a remedy for the wheat decline was not sought the imposition or Danish pig-breeding, 1910 was a partic
For Das larly favorable year. The pig was the best pat ing animal of the season, feedstuffs belly and greatly increase. Farmers thought
prices would not continue, and sent many young sows to the slaughter-houses; but the quality of reeding animals has improved. The Danish armer continues to display his usual sagacity in keeping up quality, keeping down the cost of pro-
duction, and not rushing to extremes. About 98 per cent. of Danish eggs go to Great Britain, but she is beginning to ship to the imit is worthy to note, has become the largest im porter of poultry and eggs in in that respect. asurped the posidionish butter was the subject of The quality of Daniti in 1910, partly because the dairies ran short of ice, but the old standard he dairies has been restored, and an improve went in business is expected from the adoption of a new system of quoting prices, whereby but one figure will be published as the quotation for the week. Danish butter has not now the cream of the British market all to itself, as strides, and other countries have made enormous strides, ank
competition is keen. Exports of Danish milk fell off, but cream increased, and or Milking ucts as a whole, there was wuch increase in machines met, with favor, but it appars, after their use is not anticipated by their appearance the first enthusias oive unlimited satisfaction,

Co-operation, which began in a small way in Denmark numbers 3,640 organizations, and 454,480 members. It is worthy of note that the number of fowls kept in Denmark has nearly doubled in recent years. During 1910 there was a considerable emigration ( 15,836 ) from Denmark more than double what it was in 1909, probably due, it is said, to lack of employment at home United States, where the bulk of them wor

The Social Side of Fapm Life. 10 daress delivered by Geo. E. Fisher, of Chatham, ciation, in March, 1911. "readiness t Webster defines "Sociability" as "readiness to
unite in a general interest, free or ready to conunite in a general interest, loeship," and it oc-
verse, friendly, familiar fellowshis curs to me that this definition is very applicable to this presentarly in the definition, "ready unite in a general interest," and, as applied agriculture, it might mean co-operation.

We are here to unite in general interest. headings, Sociability in the Home, Sociability in the Dairy Sociabinty in the He ciability with our Neighbors

$$
\begin{aligned}
& \text { with our Neignoors. } \\
& \text { SOCIABILITY IN THE HOME. }
\end{aligned}
$$

Sociability and Hospitality are so closely related in connection with farm life, that what may be lacking in sociability is more than accounted find in our rural homes. Who is there among our city friends and relations that do not look forward to that visit to the country-to enjoy hature, the green fields and the babbing brooks, listen to the stories of the good olden time that our grandfathers and grandmothers loved to tell us about-of the "wood frolics," the "barn raisin'," the "corn-husking parties," etc. ? To many of us in this meeting thes
But a newer day is surely coming in-a day full of new domestic arts. We are not going to adopt city ways; we have no need in the counTry for three changes of dress in a day, afternoon bridge, or five-o clock tea. we wark the coming simple life. Refinement wil mark coming and enlightenment which comes from the right sort of culture. The education along domestic and other lines that we give our boys and girls at in bringing about this social idea in our coming homes. Would to heaven we had such a schoo helieve it would largely tend to place ayricultur iin a better footing in our fair Provinc in helpeve the future agricutcoral
Province depends on the consolidated sc r
they should in the little old (in some cases lapidated) "red schoolhouse on the hill," an professors, lawyers, doctors, politicians, etc., tha were born and brought up on the farms and hav gone out from the farm home and made the mark, surely, in this modern age, we should be more earnest in securing the better opportunitie: to be afforded by the consolidated school.
Cecil Rhodes, in writing of education, and the softening influence of learning, coupled with re ligious education, says: " In the education our people lies our only hope of killing race diffe ences.'

The old farmhouse has its interesting memo ries, but in some ways the new country home is more interesting. It will have its bath-room, water running into the kitchen, good drainage, a hibrary, a piano or organ, is to bealth frst alm othe househol is to know how to hall live out of doors, and what nature and ather avore life sweet and wholesome,
Perhaps I am wandering a little from my real subject, but the beautifying of our homes, the Gower garden, well-kept hedges, the cultivation of ornamental trees, etc., all form a very strong part of our social life. A magazine writer says: "Forestry also comes within the circuit of the omemaker's work. Wind-breaks will be made more of as the wilderness is swept away. Let Nature have a free hand along her lines, and plant defences against the storms. We may prefer her mixture of evergreens and wild cherries, or we may choose to plant a wall of crab-apples fronted with honeysuckles. Everywhere thently an artist. art, for Nature herselin a country home
fail to appreciate the art that is contained in all ail to appreciate the art robin's nest is simplicity the life about you. A robin's nest of those blue eggs, so perfect in color and form, without a shout of joy and a thrill of gladness? In their city studios they haye no color master like a bed of roses. Jenny Lind could not equal the catbird and the meadowlark. The bees in their hives are able to beat the best architects. SOCIABILITY IN THE DAIRY STABLE AND To help to solve a good many problems in connection with our farm life, there is one thing that should appreal to the average farmer and make the work of the farm more pleasant and congenial, and that is the proper care of our farm animals. If we can picture in our minds a real up-to-date dairy farm, with all the modern conveniences, and so laid out that the labor of agree with me that it ure, I think that you will agree with me that of our farm work The labor question on most farins is a serious problem, and gives rise to more farins is a serious problem, and gives rise to more
discontent than anything else, so to my dairy discontent than anything else, so to my dairy
friend I would like to make an appeal that if we want to lighten and lessen this labor, let us be more systematic in our work. We must admit that if a thing is worth doing at all, it is worth doing well; and if we have not time to get sociable with the dairy cow and other farm ani mals, let us begin now. The same things apply the planning of our farm growing of better crops; ly. All this tends to make the work more agreeble, and will help to solve the question, How of can keep the boys on the farm. This season proficiency for our seed fairs suggests sociabil-
ity. The gathering around the lecture table, with a white cloth covering it, on which is spread the grains, select the large, phump seeds for our seed l,etter. The harvest season brings the selecting of sociablity why our verabops. The forming of Farmers' Clubs, the exchange dions, discussing farm life personally, the forma all these tend tw inore or less sociability with our sure to fimi :roperons and up-to-date lot are The mas. atriculture is one of the
grand
sess.

THE FARMER'S ADVOCATE.
JUNE 29, 1911 THE FARMER'S ADVOCATE.

## HORSES.

Cold rains are hard on the working horse, and
be is better kept in the stable during such he is be
weather.

A short holiday on pasture is a good thing for the farm driving horse. Pull off his shoes and let. him run for a few weeks, and his feet, as well
as his general health, will be greatly benefited.

Where wide binders are used, a tongue truck takes a great amount of the weight off the
horses ' horses' nec
sore necks.

Too large collars are a very prevalent cause
sore shoulders, and during the summer the of sore shoulders, and during the summer the
horse usiauly falls off in lesh, and it is well to
and see that this has not left the collar

Do not turn the horse away to pasture after a hard day's work in the hot sun without first giving him a goor the day's work always is a saving on feed, and goes a great way towards keepin
in goord condition and his coat sleek.

The overtired horse or a horse that is in an overheated condition should not be turned out on
pasture while in such a state, as there is danger pasture while acute indigestion, caused by the stomach of
of a of acute sot being able to
the horse not
amount of grass eaten.

Nothing is more relished by the hard-worked horse than to be allowed out, but it does muc toward toning up his run-down system, Night in tho best time for grazing, as the flies are int so troublesomed

## Summer Care of the Spring Broken Colt

It is quite a common practice among farmers winter or early spring, because all the available horses are usually needed in order to do the work
during the rush of seeding operations. When seedduring the rush of seeding operations. ing is finished, and the rocot is often turned away lo pasture, to do nothing more until the fall work commences after harves, oredure, while it is very disk or plow. This procedure, while iten accomgood for the growth in the case of high-spirited or bad-tempered colls. True it is that if the colt is once the is al
broken he never forgets it, but if a colt is lowed to run on pasture during the summer, and is not hitched and worked from time to time, he is quite likely to give a little trouble again upon
being hitchell for work in the autumn. being hitcherl for work in towed to run on good The colt should be alr, because it is important that his growth should not be impaired; and while he should not be worked very hard during the summer, it will be found a great advantage work to do. This will keep the colt handy, an will in no way interfere with work is not at
vided too much and too heavy a summer-fallow and all have either this or hoed crop to attend to, and in the cultivation of this andso advisable to
be used to advantage. It is also the mower be used to advantage.
try him on the various machines, as the mower and binder, etc., that he may beche. Of course,
to the noise of these in his early life. it is not advisable to place him on one of thess machines when he is fresh, or trouble him a few
perienced. It is much better to give his work. perienced. It it before placing him, at this work. When working, the colt should receive extra foed, but not be overfed, and the ownee whe overcareful not to turn him out to grass colt should
warm or in bad weather. In fact, the ooverheated; warm or in bad so hard as to become overheated,
not be workied hut in very warm weather, such as we have care
summer, and with the grass-fed colt, great care must be exercised or he will get very wan can gen-
may scald his shoulders. This scalding may scald his shoulders. raising the collar off his shoulders at frequent interval.
shoulders down with the hand.
shoulders down with the hand. The amount of work done during most colts are
pends on the age of the colt, but; as me of age, light pends on the age of the to three years of age, light
broken at from two work only should be done during the summer,
wa to as before stated, it will atwe colt may be kept
yive a little work, that the
 handy in harness, a work wh.
of him when he grows older.

French Percheron Shows The first. Percheron Horse Show of the 1911 season was held at Chartres (Eure et Loir Dis-
trict), Nogent-le-Rotrou, France, a city well known by tourists for its beautiful cathedral. It being an agricultural show, they had all kinds of cattle, sheep, poultry, and, of course, the Percheron horse, being in the Perche district. Each breeder was not allowed told class for stallions, 48 head. In the two judges, who numhead were in the giver decision. At last the first prize was given to J. Ohouanard's Johannot, and the second to Joseph Aveline's Javet. The latter horse stood a long time first before he got the Irishman's rise. Louis Aveline's black colt, Jougon, was third. This is very sweet colt, showing lots of quality, bes of feet and legs, extra good back and middle part, well-finished quarters. He might be a little longer in the neck for the Percheron breed, a though he put his head up in grand style and made the best of himself. The American first present were of opinion he should hicer place at expect to see this colt occupy a three-year-old class brought out the cream of the three-year-old class bell-known breeder, Percheron horses. The wer-khead, and was first third and fourth winning with Intelligent, a grand draft horse, gray, inclined to be dapple, a grand dra feet, extra big bone, a beautiful top, and as good a mover as any Hackney. The second horse, Impetueux, a gray from Errest


Feeding the Colt.
The sucking colt should always be kept grow-
ng, and never be allowed to have his growth inlog, and never be allowed to have his growth in times a difficult matter to keep the colt doing as
well as we would like to see him do when it is well as we would his dam. Light work for the dam usually does not lower, to any appreciable extent, the milk flow; but when she is used for heavy work continuously, a als. The mare, when suckling the colt, is not in a physical condition to permit her to stand very heavy work, and con sequently, for her own good and for the colt
welfare, it is better not to exert her too strenu-

sly
Many horse-breeders push the colt from the tart, with a view to getting him as large as possible at an early age, and perhaps also to is a well-known fact that young colts can be readily taught to take cow's milk, and that, as he cow's milk is much richer in fat than the ably fed, will make very large gains and become exceedingly fat, with a plump, well-filled-out appearance. minds of many horse-breeders, it is a question whether overcrowding of the young colt is advisable. Certain it is that as underfeeding, though the latter is the more common. Many verv fine suckers and yearlings result from hand feeding on cow's milk, but they do three, four and go on and make as handsome two, three, had they five-year-olds as they would not been made overfat when young. A little cow's milk is a good thing for a colt that is not doing well and giving indications or reeeiving a scanty supply of milk from its dam, but the over-
feeding of this, which causes the colt to become very fat, has a tend-
ency to injure the
quality of the legs quality of the legs
of the horse when he comes to ma-
turity. Colts have been
known to do exceedingly well on this
treatment, and to be almost perfect models ypar and a half of age, when
their legs would
 that time on it was next to impossianlimbed. The cause is believed to be in often coupled with often coupled wise, impairing the colt's seneral hoalth, and causing him to
cease growing at an early age, and to
have legs and hocks of undesirable con-
formation. This, ormation. This,
however, only oc-
Alston Bluebell.

Shire mare. First in class and reserve champion
horse, not quite so toppy as the winner. An horse, not quite so toppy as the winner. An-
other good horse was the gray Inedit, belonging other good horse who divided the third prize with ur. Tacheaul. He was every inch a draft horse, and many of the American buyers decor-year-old class and colt for thewards brought out some old acquaintclass and upwards brought acheau stable came to ances. Here, again, very big and massive gray, Vuray, 6 years, a wonderfully well-finished horse
for such a size, standing 18 hands, very fresh or such a size, standing 18 hands, Errest Perriot's horse, Guignolet, 4 years, is a very flash, toppy horse, a nice) dapple, with white mane and tail, but none too fresh about the hocks and oint whe third. He is still a grand-looking horse when standing still, but is getting very stale in
his action. The fourth-prize horse, Huchoir, 4 his action. The fourth-prize horse, Mupple, a dapple vears, belonging to Mr draft horse on the ground, was thing 18 hands, and deep all through, could be a little cleaner in his hocks.
ion he deserved a higher place.
The mare classes were not very good, the reason being that the big breeders were restricted to sone head in all, it being too far for the small
nine farmers to go. Louis Aveline was first in the two-year-old and four-year-old classes. three-year-week is the Paris show, and the first of Jnly is the big Percheron show, held this year at
Vogent-le-Rotrou. They have about 900 engage
I. POWELI. wents. Gr. POWELL.
however, only
curs in rare in
injured
may mex may stances. Both sexes molt seems to suffer most, and more harm is done when the victim is a stallion colt, because his progeny are likely to inherit man
this cause.
American
American horse-breeders, when visiting shows in Scotland, often remark that the young stock exhibited at these shows is not in as high condition as that exhibited at our Aus do not believe in making their colts overfat, but they keep them in good thriving condition, increasing the feed as they near maturity. These colts have rather a raw appearance, but they are being fod for growth, rather than finish, and the breeders believe that much of the high quality of Ceet and legs, in
prized by horse-breeders, and Clydesdale men in particular, is due to the fact that the horses were grown, and not fattened, when the country over, ity of Scotch Clydes is known the country feer,
and if it is partly a result of the careful feeding of the young stock, our breeders would do well to follow it.
Young colts made very fat seldom reach as Young colts made very fat selcom reach have great a size at maturity as ac thriving condition. While it is not advisable to deprive the it going sufficient suitable nourisher is it advisable to ahead and thriving, neither It is often the case, however, that colts are underfed and thin. This is a big mistake which many breeders are
making. In these days, the cry of the horse-

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                    < (a)
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                    making. I
    THE FARMER'S ADVOCATE Breed the Class of Stock You Fancy ing the trouble caused by the swarming of thes
dealle is ior larger draters, and large horses can
never result from scrubby, stunted colts.
Do not work the dam too hard and steadily whil
she is nursing the colt. (iive her a rest on pas ture if possible. A hard time to keep the colt in good cond hon is immediately after weaning. Some breeder kim milk. These, if fed in moderation, are either one very good, but the young colt requires protein and muscle-building material, and for this the skim milk is the better, because it has isher percentage of proteid material. It rowth that is desired, not hat. eat at an early age. A few oats or oat chop, withis can be bran, makes a good feed for a box when the mare is brought in, or a box may be placed conveniently in the pasture field. Oats are the most palatable concentrate ior horses, and, in conjunction with a litte colt. Keep the colt healthy and growing, and a better mature horse will result than from either LIVE STOCK.

## Fly Protection.

 . behind the season, the Horn Fly is protecting cattle from its annoyance, as well as from the annoyance of the ordinary black flies. Numerous and varied are the specifics recommended and employed by different stockmen, but there is note yet meet the demand for be ap plied oftener than once a week. On the contrary most of those we have require application, daily or oftener, involve not a little labor, and cos quite a penny in the course of a season. Since however, no less an authority than Prof. Grisdal endorses the estimate that flies cause a loss s..00 per head of cattle in the course of a season, reduce the discomfort which is reflectedA very satisfactory mixture, which, however, requires duily application, has been for several yocate." It is conveniently applied with a hand praver obtainable for somewhat less than $\$ 1.00$ of homemade remedies, we note the following: Prof. Grisdale has recommended a mixture of lard and pine tar, 10 parts of the former to one of a brush or bit of cloth to the parts most subject to attack. Prof. G. E. Day has used, with very good results, a mixture composed of one part of a well-known coal-tar dip, 4 parts of either linseed oil or fish oil, and 40 parts of water. It
is put on daily with a spray pump. Prof. Day's principal obleetion is the cost of the linseed oil in the mixture. An old stand-b) crable calic acid $\frac{1}{3}$ tablespoonfuls, mixed and applied to all parts, except the udder, once or twice a week. A cor-
respondent of The Farmer's Adsocate combines several of these materials in a special mix pine tar pint, two or three ounces of a com-
mercial shecp dip, and
$\qquad$ five days. State Agricultural College recommend
Kansas the following: Resin $1 \frac{1}{2}$ pounds, laundry somp
cakes, fish oil $\frac{2}{2}$ pint. water enomgh to make thre gallons. Dissolve the resm the sish oil und th
and water by heatine, anll the
rect of the water, apply, with al hrush pint put cow. At first it is necessar
three applications per week, with whin outer end of the hair hecome covered "rha bins: wher that
 parts crude carbolic acid.

 comes scruffy. These may omes scruffy then treatment is
 nass, keep manure count put horse sible, and on no account catle, as we hal seen practicen.

The live stock is thatural accom- no end of discomfort. Cleanliness in the stall is

## paniment of good farming. It is necessary that

 some kind of stock be kept in order that the fertility of the soil be not reduced. The questionin the minds of many beginners is what class of live stock to invest in, and in many cases they choose the one which is selling for tne highest
price and for which the demand is greatest, regrice and for which the dess of whether they articularly fond of this one class or breed, or whether they have any working knowledge $\qquad$ deed, does any doubtedly a mistake. Rarely, indeed, does any
one make an unqualified success of something he one make an unquat is seldom advisable to commence with a class of stock that one has not some particular fancy for, even il ir is sellimg usually follow if a person's favorite stock is the class he begins breeding. If the price is low, so much the better for the beginner, because it will
generally rise. When the price of a certain class generally rise. When the price of a certan clas, because, if it were very high, a drop would be becallse, if it were very
likely, whereas, being low, the reverse is the case. Be sure to get the stock you like, because the increased satisfaction of having your own fancy
satisfied will cause you to take added precaution satisfied will cause you to take adde
to make your business a paying one.

Good Care for the Herd Bull. In most districts the heaviest of the breeding season comes during the summer months, and it is then that, the stock also at this time of yea hat he is likelv to have the least time spent in keeping himi clean and well exercised, and his


How Well Do Sheep Pay? ditor "The Farmer's from twenty to twenty-five Sometimes about eight or ten of these ar best ewe lambs we can pick out of the floc always aim to keep some of the very, best fourteen years, by getting a good pure-bred each two vears, and by keeping the very bes lambs, and nothing but the best, I have
as nice a flock of sheep as you will find as nice a flock of sheep as you will find in this part of the country: The hreed is Shropshire price of lambs or wool, but will give you an idea
of what we have done the last three years. Three of what we have done the last three years. Thre
years ago we had fifteen old ewes (over one year ears ago we had fifteen old ewes (over one year
which had twenty-seven lambs, twelve pairs twins, and three sincle lambs, Out of this lot twins, and three single lambs. Not of this lot have lambs averaged
5 pounds $;, 1,10$ pounds, at 22 cents pe $\begin{array}{r}\text { pound, } \\ \text { wool, } \\ \$ 24.20 \\ \hline\end{array}$ average of $\$ 1.10$ for and an a verage of 87.20 each sheep for
lambs. $\quad$ always consider that the fleece more than pays the cost of feeding the sheep, and whatave is clear profit. We feed our sheep, in twice a day, and good
bright, clean. peastraw that ois only about half threshed ,ut, once a day; they get enough peas out
of the pea-strdw to
keep then in keep thend in good
condition. They are
allowed to run out at Shelsley Primula
$\qquad$ breeders allow the bull to run on pasture with They do better if let run out and in whenever they
he cows, because there is a danger of all the like. In summer they have plenty of good, high soung heifers getting with calf, and thus having land pasture and good water. They are trained hept away from the cows, even if no heifers are 110 trouble with dogs. I think that every farmer pasturing with them, because he harms himself, chould have from 15 to 50 good sheep on his kepeping down weeds and brush that nothin Most bulls are kept in the stable (uring sum- (1) have vour own fresh mutton whenever you wan This gives rise to the problem oi how to keep the it, without having to ko to the butchers for it bull exercised sufficiently to maintain him in the 1 nope my small experience with sheep will help est possible breeding condition. The loose box some farmers to mo into a mood hind of stock areat advantage over the tie, but even it coves kwe shmereate to wive the herd header a chance
$\qquad$near his stable is a yreat henetit, and shomder
Guernsey CharacteristicsInd corn, growing near the builtings, and
con is necessary, and a variety of this
ine condition. A little concentrate material isfometine oi a little wat chop, with "small quan- hows curven, not coarse

the paddock during the night in will then li.. in when and tlexible, closely cotered

culted wint heses pest:0
jưTE 29, 1911
with large, deep fountains
 good size s skin yellow in
gt base of horns. on nutier,

## THE FARM.

June Bugs Breeding in the
Bation "The Farmer's davocta thank your corresponWill you permit me tor the infornation which he
dent. Ouserver,', for in dent
has kindly puth she in in your issue of .June 15 th,
, has siferce to the outhreak ni June heetles in
in refer in East Middlesex. district in teast to explain to your readers why
He asks me to He asks he ve a preference for certain treess
the beetles have such as and
trees, such as maple and apple, are practically untouched. 1 am afraid that the present tion of human knowledge win
explain all the food preferences of insects. That exprain are these preferences, is a matter of com-
there abervation; for example, certion caterpithon observation; for example, certain ccaterp.
mors are orils found on certain species of plants
lors
 while others are generai ceedense and are only
are parasitic on certan insects, and
One can only say found afiecting those insects.
that it is all a matter of taste ! In reference to "atorerver's remarks that
many people are alarmed lest the land will be decastated with the lary ne white runs will be all
that the injuries thy the normally severe next yeal will cartainly be serious unforeseen happens, ther will cert uatily most in-
in 1913. The white grubs are susuly in 1913. the second and third years of theit growth. As inate prevalence of white grubs in Middlesex to the large areas of permanent breedand pasture land which serve ans will continue to
ing places for these insects and do so unless int
combiat these insects. C. GORDON HEWITT, Dominion Entomologist
$\qquad$ hay smanth more elfective in securing large vields of milk, or heavy gains in flesh, than is a arge
amount of coarse, rough hav that is largely in
and amount of coarse, rough hat con soming into hlos-
direstible. Hay cut son cor coms som cured laryely in the cock-thus saving and
of the leaves and flavor-giving elenents-and
of orns. storell in well-protected stachs or in barns

## Green Manuring

$\qquad$
Four of the advantakes of spom manuring giv conlege, are : pron


ssil. ithlives soluble phant foord that would otherwise escape irom the soil.

4. Brinss plant food from the lower soil to
the surface These advantages are all very importand agriculurists. It is one of the easiest, quickest and most efficient methods of keeping up and increas ing the productiveness of the solio, as it is pos-
inowever, be practiced in moderation, as sihle that the soil might be injured if an excess Th green organic matter was incorpority in the This excess might cause a sight which would be detrimental to plant growth, hut, if applied in reasonable quantity, it is one

Light in Relation to Tree Growth. The United states secretary of Agriculture has Iust issued Bulletin 2 of the Growth." The bulT.ight in Relation to Tree Grown der by lethe tree by light from all angles, particularls that reflected on the roots. In introducing the subiect, the bulletin states form the life and growth of trees. In comsable from the lif green plants, a tree, in order to live, must produce organic substance for the building of new tissues. Certain tow form vegetable life, such as bacteria and $\begin{gathered}\text { Thev exist by absorbing organic }\end{gathered}$ require light. They exist
substance from other living bodies; but the higher sunstance plonts manufacture their own organic material by extracting carbon irom the airs il or leaves, through the agency of ther the air carbon green coloring matter a dusornty equal volume
dioxide, and give off a nearl oxygen. The carbon dioxide is then broken up into its elements and converted into oreannos. stances which are usen in onsiration, and conse light also innuences an of green plants. It in-
curenily the metabolism or fluennes largely the structure, the form and the color of the leaf, and the form of inest it largely Che crown of the tree growth of treus, the rate at which stands thin out with ave, the progress of natural pruning, the chatacte tree growth, ground cover, the vigor of youne tee and many the existence of several which the manarement of
herevore, of the elfiect of ligth upon the hite of noret ani of knowloupec of the met thods be which he extent of thi- effect can be detertinnea. atho

## A Substitute for Hay.

From present indications, the hay crop is likely an comparatively light, taking the countly likely oc looking for a substitute to use for forder. For his, Andrew Boss, supechin., recommends the use ,if field corn sown in drills from 36 to 44 inches guart, and sowing 30 to 40 pounds of seed per acre. It may be planted as late as ar suitable and a lod, hut the actual yield of the hay crop is no always known until quite hatio constituents, the are very nearly alike in crigest what the corn lacks in composition is more than matle up in the added coulency which it gives the ration, and the innase in yield per acre over farms where hay is decided advantage. On farms anial.

## Conserving Soil Moisture.

Conserve sin moisture for next year, early Mivevear tect land plowed about the middle of Tuly produced 27 bushels of wheat per acre plowed in August, 24 bushets, anushels per acre tet the work as soon as possible, ani harrow to ret a fine mulch on top. This prevents considerable loss of molsture auring was lef ary days of summer and allowed to grow, as well

What bat a recarled as a barren hon-uroductive hillside on a farin owned by An drew Dodds, Middlesex Co.. Ont.., on thene showed a thick arowth, Three foellowing week it was cut anil on the two acres there were nad yood-sized cocks of well-cured alfalfa hay reat fur the barn and feeding. on the ordinarily be expected, the alfalfa seemed best. It was a strikcropping methods.

That a silo will increase the producing capacity of a farm by 10 to 25 , er cent, is the conclusion than hav arver-ripened and poorly cured. - (Andl)
Boss. Iniversity of Minnes)ta.


Old-fashioned Rural Home, Essex Co., Ont.


On the Cod Banks of the Atlantic

Sons of the Sea.
I was born for deep-sea faring, Stories of my father's daring Filled me at my mother's knee.

I was sired among the surges All my heart is in its verges, And the sea-wind is my home.

All my boyhood, from far vernal Aournes of being came to me, Dream-like, plangent and eternal
Memories of the plunging seas

M Millfeeds Must be Free from Noxious Weed Seeds. Herewith I attach copy of memorandum is sued by the Department the order of His Fx contency in Council, establishing standards of qual ity for grain products. Following is the memo randum: "Under the authority of an Order of His Excellency in Council, bearing date the first day of May instant, paragraphs 13, liching standards of quality for grain products, have been cancelled, and the in lieu thereof: wheat or other grain, and contains not less than fourteen (14) per cent. of proteids, not less than

three (3) per cent. of fat, not more than ten (10) three (3) per cent. of fat, not more than ten (10) | per cent. of crude for |
| :--- |
| vital seeds of any of the noxious weeds defined by | the Governor-in-Council under 'The Seed Control "، 14. Shorts or middings in the coarser and terial sifted out grain by crushing the coarselyground material that is sifted out from the bran after the first grinding; and contains not less than four (4) per cent. of fat, not more than eight (8) per cent. of crude fibre, and must be free from vital seeds of any of the noxious weeds dee ined by the Governor-in-Counh wher "15. (hop-feed is whole grain of one or more kinds more or less finely ground, and contains not

less than ten (10) per cent. of proteids, not les less than ten (10) per cent. of proteras, than te
than two (2) per cent. of fat, not more than two (2) per cent. of fibre, not more must be fre
(10) per cent. of crude fibre, (10) per cent. of crude of the noxious weeds de fined by the
Control Act
Control Act.'
"These amended standards will
on the seventh day of June, proxim
The amendments are embodied in th...
". and muat he free from vital Governor-in-1" noxious weeds defined hy the "ontrol Act," as appendew

- in accordance with the

The amendments are in accordance with the tions made by the Seed Commissioner, onducted over a period of three years. During he early spring months, while engaged in the ork of seed inspection, the official inspectors colected samples of bran, shorts, crushed or ground eed and feed oats from lots of he retail trade. The samples taken rephe trade eeding stuffs manufactured and sole parts of Canada The average number of weed seeds per pound of feeding stufs found in the samples collected in the

$$
\mathrm{A}_{\mathrm{B}} \text { an ond middlim }
$$

For bran. shorts and middlings.
For crushed grains
ins ... ...

For ground meals of varii
For feed oats (unground)
various so
$\begin{array}{r}. . .246 \\ -\quad 677 \\ \hline\end{array}$

The whole weed that are commonly troublesome as weeds. It is definitely known that when consumed by farm stock (even to a proption of such weed seeds pass into the farmyard manure with the vitality unimpaired. The kinds of impurites found of the samples procured in Eastern cereal crops of the Prairie Provinces. Investigations at Port Arthur, Fort William and Winnipeg reveal the fac that about $1,500,000$ bushels of screenings and refuse were lasterminal elevators. Of this amount only 51 carloads were distributed in Canada, which number only three carloads were shir The cheaper grades of oats are not cleaned a the terminal elevators. Practically all export ing countries market their feed oats in an un
cleaned condition. The cost of cleaning them plus the waste, is greater than the increased mar plus the waste,
ket value. Western Canada feed oats are the
aneapest torse feed available in Central Canada, cheapest horse feed avalabem are fed, unground and large quantities of theularly in Ontario. The in cities and towns, particulary with screenings other coarse grains, then crushed and ground, an retailed for cattle or hog feed.
To destroy all the weed seeds in feed oats and screenings, they would have to be ground quite as fine as shorts, and the product, especially for cattle. is less acceptable to the feeder than the coarser ground meals. A great deal of the ground feed in Ontario is the slack season, the owner, who is commonly the operator of the chopper, buys feed oats and screenings in single
car lots, and from them prepares stock feeds for car lots, and from them prepares stock reeds
sale These steel-plate choppers are not able sastroy all the weed seeds. Flour mills are equipped with The cleanings
cleaning wheat before milling it. The cleaning whent before milling it. crushed and mi
thus removed are, as a rule, with other mill offal. The mill sweepine withally mixed with the bran or mill feeds.
process of crushing in many small flour min
pital
weed seeds. The large flour mills do complaints from agricultural organizations farmers respecting weed seeds in feeding st wits have arisen princioally within the Province of (1)tario, which Province, on account of its Province,
interests, is: much more than any other Prest interests, is much more well as the benefits, that
sharing in the evils, as wirl accrue from cheap feeding stuffs that naturally accumulate in the large terminal elevators su rounding the Inland Lakes. The regulations ni in force will serve to protect purchasing feeding stuffs badly contaminated with weed seeds, and thus unwittingly distributing noxious weed se unon their land. The presence of detect.
ground grain is not difficult to de,

## THE DAIRY.

## American Holstein Association.

The 26th ann wating the Holstein-Friesian Association whe reports of the ofcuse, $N$. Y., on ticers of the various branches reveal a remarkable growth in membership, in registration, as the largest in personal attendance ever held, members be ing present from twenty States and Canada. in his address, said the report of the committee on proxies showed 1,698 present the membership during the year were 955 , and the total memberduring the year ware nearly doubled in the last two years. Appropriations during the year for
prizes at fairs and dairy shows were $\$ 5,500$; for prizes at fairs and dairy shows were $\$ 5,500$; for
prizes for butter records made under the Adprizes for Registry System, $\$ 10,000$, and for the work of the literary committee, $\$ 15,000$ (increased from $\$ 10,000$ ).
In regard to the request of the U . S . Department of Agriculture, as to whether this Associa-
tion shall give full recognition to the herd records of the Canadian Association, it was voted that a committee of three, including the president, be ap mointed of the Canadian Association, Messrs. J.E K. Herrick, D. C. Flatt, and James Rettie. Re garding the suggestion that this Association said: "While I recognize that there may be differences of opinion, I find myself restricted by no
hesitation in declaring to you in the most unhesitation in declaring to you in the most un-
analified manner that I believe some method qualified manner that 1 believe some metre line on a par with our own. American buyers have taken seventy-two Holstein cattle from
Canada the past vear, but before those cattle can Canada the past year, but before those cattie can-
be recorded in our Herdbook, each of their ancestors must be recorded, involving an expense often reaching from $\$ 30$ to $\$ 100$. The placing of tration 72 head others to make them eligible. We can well afford to throw down the dividing line and allow our cattle to flow over into that sec-
tion, and having been nurtured, fed and developed, their progeny will drift back into this territory. The demand for Holstein-Friesian catthe, as I have previously said, is such as to exproduction or supply. We therefore owe it to ourselves, from a financial standpoint, and we point, to indulge in some such legislation." The secretary's report shows that $\$ 103,444,20$ ceipts of the office for the year were $\$ 103,444$, and
of which $\$ 77,985.75$ was for registration fees, and $\$ 22,475$ for membership.

## Soiling the Dairy Cow.

From this time on, during the summer, the not so palatable to the farm stock. The dairy cow, in order to pay the highest returns for feed consumed, requires to be fed to her capacity on a well-balancen ration at and tars. Many dairy to fall off in yield of milk because of lack of suf ficient food. As soon as the flush of the grass season is over, the dairy cow will require some extra feed in order to keep up her milk flow, and
this can well he supplied by feeding a soiling crop There are many crops which can be used for soil ing purposes, but the two perhaps most favore are alfalfa an! corn. Of course, peas and oats
make a very makays ansahhe to have a variety of crops, so
alwat if ame fails. its place can be filled by another
Numa cuntans a high percentage of protein Naluable constituent of the . a

THE FARMER＇S ADVOCATE
JUNE 29， 1911
it is a crop which，when cur，fluchly grows again， a large amount of palatable ereen food．A little season of dry，parched pasture fields，will more
than repay for the time and labor required，and than repay for the time and labor required，and
will help keep the cows in better condition．As
As and the season advances and the corn is large enough is a crop which gives，perhaps，the heaviest yield
of green feed of all our crops，and can be grown ing crop．Corn and alfalfa are the two crops Which，if fed together，make an ideal roughage
ration for the dairy cow． The coroducing crop grown on the farm，and al－ falfa is the roughage crop which contains the highest percentage of protein，besides giving an abundant yield of green food．If these two crops is a result．The corn crop is not ready for use until late in the season，thus，for summer feeding
where a large herd is kept，and alfalfa grown for sniling purposes，silage from a small summer
silo would be of great value to feed in conjunc tion with the green alfalfa． but on all those which will produce it，profit ings to be used in summer for the dairy cow and all thuse who have a Those dairymen who have not such a plot and would like one for next year，might try thor and wound
onghly working up a piece of land and sowing the
alfalfa in July without a nurse crop．If it does not winter－kill，a fair stand will result the fo lowing year．Where it is too low and wet oats would answer very well． The problem is to produce the milk as cheaply as possible．and without having to resort to the feeding of sible，without trates are costly，and，when fed in arge io better tities，the profits are greatly consequently in profits，during the extreme a sol mer heat，is known than alfalfa in conjunction ing crop，or bern silage．

Dair

## District．

Editor＂The Farmer＇s Advocale，June，Frank Herns，the efficient Chief Dairy Instructor for Western On－ tario，and the writer，took a short trip among the factories of what is known wat we saw may be District．A brief record of what we saw ereaders． of interest to Our first stop was at St．George，where visits were paid to the condensary of and
and the creamery owned and operated by Uren The condensary was formerly used for the manu facture of cheese in summer and butter in winte conder been remodelled to serter is also made．At the time of our visit they were receiving about 16,000 pounds of milk daily－too much，Mr．Mal colm said，for the present demand for siderably since the winter．
We sampled the finished product，and found
The various brands are put ery satisiactory．The thes These tins are sealed， after filling，with a special machine thus doing the work very elan of soldering，which is a rather
a way with the plow process． a expensive and slow process．
Farmers supplying milk to the St．George con－
and Farmers supplying paid one dollar per 100 pounds milk on the sey yet，in spite of this fact，we found Mr．Uren doing a good business in that he has In fact，the business has the same street as is lo－ huilt a new creamea，but in the eastern part of the town．The proprietor was preparing waiting into his new creamery at as he proposes to use for his gas engine arating power，doing away wor natural gas for genera engine as a means of power，
the steam boiler and
The fact $u$ using steam for cleaning and creamery are so well
that both condensary batronized indicthe vicinity of St．George．And not all of it is manufacturectar who is shipping as we met one promin
cream to Toronto． The Brant Creamese place of call．Here the
Brantford，was the next puilt a nice nittle creamery
Stillman Bros．have huse （already ton small），and are anticipated．Thes
 use electrioiler fo
upright ho
special feature ？
each delivery of cream for iat，and the mailing to which comes in
We received from you to－day．．．．．．．．．．．．．．．．．．．an of
cream，weighing．you to pounds，testing． per cent，；total pounds of butter－fat is
price per pound of fat is．．．．．．．．．；value of cream is．．．．．．．you can return by，．．．．．．．．．．．．．．train Checks issued on theam cool and sweet as possible．
KRANT CREAMERY．

We do not know of any other creamery in Can－ ada being operated just on these lines，and it
will be interesting to observe the results．That all is not smooth sailing，we would gather from a letter which the firm had just received from on of their patrons，when the old queston or ward by a producer．I wonder if we shall ever we able to evolve a plan of testing which will be entirely satisfactory to patrons and creamerymen？ The only plan which we can think orative testing likely disinterested party．This means a heavy expense，especially for those creameries which test each and every delivery separa if it would prevent not the mospicion in the minds of farmers that they are being robbed by the creameryman？It would also relieve the creamerymen of a great deal
worry． Worry ne mext move was to Dunnville，passing
Our ner fa－ through the gas anats，gas and oil wells are in evidence along the railway from Caledonia to Dunnville．The hay crop will seme fairly promis－
this section．although we saw some this section．althoug al Mr．Phillips，the proprietor
ing fields of alfalfa． of the Dunnville Creamery，uses natural gas under his steam boiler，and has for power．It is not gine，using a was considered that a creamery could


Rosebud 7th．
ation，and one of the most progressive dairymen The section．from Dunnville to Canboro we
On the road froms where there were silos．On passed but two farms where there were silos．On
making inquiry at the factory，we found that these two men were the only ones along that road who sent cream to the winter creamery which
operates aiter the cheese season is over．This speaks well for the silo as an adjunct or necessity
for the winter creamery．We were sorry to learn for the winter creamery．We were sorry to learn
that the proprietor of the Canboro factory was away，but the efficient cheesemaker，Lea Marshall， very kindly took us through the plant and al－ owed us to bore the cheese． An addition to the press room，the instand curd， plentiful supply of ice in the ice－house for cool－ ing the cheese in the curing－room，the use of natu－
gas under the boiler for firing，the weighing of gas under the basteurized whey to each patron by a man specially hired for this purpose，and the excellent quality of the cheese on the shelves，were distinc－ The use of natural gas for lighting，fuel and The use of natural gas for lighting，fuel and
power，and the growth of alfalfa，are marked characteristics of the dairy industry in the Cale donia and Dunnville sections．These two things give farmers and localities，and we may expect a marked development of dairying in these places which at one time were considered more or less

## POULTRY．

## The Common Chicken Mite

## ditor＂The Farmer＇s Advocate ：

The worst external parasite of poultry is the common red chicken mite，and since the hot wanidly has come in，it wis beat deal of loss poultrymen and farmers by killing chicks and ens，and by greatly reducing the egg supoly The anecies of mite will also attack horses， and even man． hens become poor and do not lie close to the body，and the
head and comb be－ come pale．The cause tion and loss of blood due to the myriads of
parasites which feed parasites which feed
on the fowls at night on the fowls at night．
The sitting hens suf－
fer the most，as st fer the most，as the
nesting material fur nesting material fur
nishes a good hiding
place，and the nishes a good hiding
place，and the mites
have easy ace have，and access to to
their victim，causing a rapid loss of blood Their ravages fre quently result in the
hen dying on the
nest，or else leaving nest，or else leaving
the eggs a few days
before they hatch， before they hatch，
thus spoiling the hatch in either case
II the hen does If the hen does in－
cubate the eggs，the Nairy Shorthorn cow．First at Bath and
rict．Sixteen rigs of various kinds are engaged young chicks are attacked immediately，and either
而 trict．Sixteen rigs of various kinds are engaged tem is followed here．We saw some of the cream delivered，and found it of nice，sweet，clean qual－ ity．A portion of the cream is churned on and day of delivery，Carly next day．Cream is received four days of the week only，yet comes in in good condition，showing that under the two－day－per－ week system of collecting cream if is cream be
make a fine quality of butter，if the cres make a fine quality M Mr．Phillips is looking for
kept cool and sweet．Mhich would be a great help an iced－butter car，which would be a great for by At present，cars have to be iced and paid for the Government．As there are a number of creameries in this southern group which would beneft take the refrigerator car，Mr．Herns promisene，an the matter up service could not be secured． See if anboro and Caledonia cheese factories wer on our programme，but we found the liverymen unwilling to send a rig to Canboro，hence we were obliged to leave out one or the other of these is located the factory of J．N．Paget，a past is located the factory of Ne Nairy Dairymen＇s Asso
first couple

DESCRIPTION OF MITES
The full－grown mites are from 1－25 to $1-20$ of a inch，elliptical，and somewhat flattened in hape．They are grayish in color and covered with darker spots，except a gives them a reddish hppearance．The gray and red mites are thus the same species．The mites run rapidiy by means of eight slender legs．composed of needle－ like mandibles，which they insert under the skin． The mites differ in this respect from the poultry not for sucking．

> habits.

Owing to the fact that the mites do not live on their host at all times，like the louse，their presence is frequently unknown until they are crevices and corners of the roosts and nests，in dry manure，and everywhere they can hide．At night they emerge from their hiding－places and and
all the fowl they can find．In the case of sitting



 heep the pear orchard an
sepprated
irom each other.

Cover Crops in the Orchard
 for addressing you on this subject is that 1 con-
sider it one of the many important operations in orchard management, which should receive more
attention if we hope to produce fruit most eco-
 mended in orchird practice are: First, the cover
crop methout second, the clean culture method
cren the sod mulch method. There are some who advocate growing trees in
gut this is undoubtedly an unwise
method 5 adatable to very exceptional conditions, and Should not the recommended. briely, is to cultivate he ground from early spring unthl the first of
jully, sufficient to keep a tine-arth mulch on the surface, and at co con which will produce a good
seea to a cover crop
math of vegetation to work under either in the nath of ore the following spring. The clean-cul-
late fall or
ure method is similar to the above, except that ture method sis.
no cover-crop is grown and the ground is leit
is after the last cultivation, early in July.
The sori-mulch method is to mulch, sually with manure, the area occupied by the tree sunficient
prevent areat evaporation from the soil, and to keep all grass or weeds cut, not allowing them to grow taller than six inches, and letting this ma advisable if conscientiously followed, especially on hillv, rocky, or very open, gravelly solli, but
what some growers practice and call the sod mulch method, I would call the large hay-crop
method. It is not the purpose of this address tion discuss any of these methods, except to place chard tillage.
If the clean-culture method is followed, some soil. Without humus, our spils become unpro ductive. Humus not only aids in conserving
tuoisture, but gives, as well, a better mechanical anxture to the soil. It lightens up heavy sums, in the soil assures an ever-present supply of nitro-
gen, and prevents the leaching from solis of potgen, and prevents the cict. Bacterial life in the
ash and phosphoric acid.
soil is largely dejentent upon humus and
s.

C'ommercial fertiizizers do not and humus

(to ring. I just farming proves that, to attain success on small get the bull thed up securel, and take a pair of capital, they must io the and work much as men do, horse-shoe pincers oi him, and with a medium- to give a great deal and expect inctie at and
nose; get in front ond nose ;
sized pocket-knife make hole for the ring; take expect osses from inexperence, they know bette a firm hold of the pincers in one hast the point of a little draws the go you can see what you doing, and it is no trouble to get the ring in. have in this way put rings in young buls, and had no other tying that, with larger animals, it neck, and all alone : but, with hads to keep them
would be better to tie their heads would turning around, as sometimes they make yuite a fuss. With the pincers you have a great command over them, as I think it acts like the
twitch for a horse. I think all bulls should be twitch for a horse. 1 knowe men, rather than bother ringed. ${ }^{\text {with }}$ getting a ring put in, would let it go till someone got nearly killed, and regardless of his cross. stock-breding quality
Now, the two-furrow plow is another great
Now-bree labor-saver, though, as to making one me mort the work of the week. However, he can do a at the end of all himself, but he must be a good average man, and one who knows how co handle a walking-plow. Here in Quebec you can dive who is a good waiking plowman; his furrows are straighter and his ridges a better shape than those of the poor plowman. And yet there are men that can plow fairly well, but are no use to
urive or hitch their horses so they will walk 4live or without him driving and reining every inch
4long of the way; and some horses, like men. Wil
never learn to plow. So, to put it all in a nut shell, the plowman mas a plowman, if he wants to make a nea job, and there is no reason why a man can make plow, but plows, like every other farin which they are working.
which they are working.
The only thing I have against the two-furro gang is that it does not teach our young men
handle the walking-plow. Give the average handle the a team, and send him to the field drill in your potstoes, and he makes some ve crooked drills. But then, I have turned some straight drills or furrows. I have turned son
very wide furrows at times to straighten up an very wide furrows at the year before, as I don think there is ansthing nicer than long, nice
ctraight drills of either potatoes, corn, or any thing that has a line to it, and I know for a set of pichets if it were to save their n
Have said enough for this time. Wish you e success both on your farm and in your paper.

Woman on the Farm Editor ". The Farmer's Advocate":
Prof. Leacock, of McGill University, one of the leading authorities in political economy in the ago, to the conomic position of woman in society, expressed economic position a position of agnosticism upon the question. He does not know where to place her. He declares machinery to be woman's chief
heremy in the industrial world. He says there is
ence no use advocating for there are not enough
hearth ", to woman, for
homes for them (Why not?), and the ballot in the homes for them (Why not?, and the ballot in the
woman's hand will not meet the case, either. The were, that woman, to receive the same pay, must do her work as ton of financial combines, would, in our opinion, rob woman of that which gives her power and
attractiveness, that this her to reikn in her own God-given of here of home as anghter, wre or mother. A few may hare the thatority a purels tinancial
$\qquad$
$\qquad$
$\qquad$$s$ a treni . hack to the land, not only in city not the natro. hack to the lather will the "


## THE FARMER'S ADVOCATE

Poultry Department to Proi. Eilford at Macdonald ing the farmers of Ontario county in earing, and
His experiences are worth hearing e are glad to know he is meeting with encour If the farmers of Ontario County would patron
If ize creameries, and it would prove to be a step i the cream-haulers, it would preve system of marketing but advance. aggs cannot be very satisfactory, so fa as we can see. Somehow or other, co-operativ
dairying does not meet with very much encourage dairying does not meet with very much encourage many ways best

## Recippocity Still.

Editor you will kindly allow me space, I will make a feiv briei remarks in answer to one or two of ing upon this reciprocity arrangement with th same optinism that your paper does, I appreciate your fairness and complaisance in anem are of a contrary nature. misconstrued the market quotations when he states the Buffalo market in wish to say that, in perusing the market quotations out. higher than Toronto, and I am sanguine that, which have been published during the past two years, they wount has been exaggerated. I was mau's statement has been exagge last week, and the Toronto market was at least 25 cents per
cwt. higher than Buffalo. In reference to his assumption that the Essex past year, owing to the non-existence of mutual pade relations, I can only say he seems quite ohlivious of the fact that our hog markets have
been everywhere higher. The readers will re been everywhere higher. The readers wit $\$ 8.40$ per cwt. during January of this year, whereas the
Windsor market was $\$ 9.20$ per cwt. If the AmeriWindsor market was $\$ 9.20$ per cwt. If the Amerithe Essex hogmen would not only have lost hun areds of dollars, but the country as well. propose o increase capital, rather than divert it int your correspondent's political economy would have a tendency to do
Your correspondent takes an exceptionally nar ow view, when he argues that we will have a It will be the Americans that will benefit by th more convenient market that Canaducts. It is
them for selling their surplus product estimated that 3 per cent, of the annual produc of the States is exported to foreign countries
Now. this apparently trifling figure seems in fin 'esimal; but when you consider that there ar
approximately thirtern billion dollars' worth annual products, it should suffice to cause the Canadian farmer who has any concern for his
superior home market to sit up and take notice Inited States grain market will undoubtedly pi a bonus on inferinr farming. The farmer mat were 10 insert the depreciation of farm lands in

Dairy Record Centers in Canada
jadging from last year's experience, may produc a. large quantity of seed. Near Winchester springs Dunitas Co., last wear, had been cut about the 21 st of June for hay, a farmer had threshed, with an ordinary cleaner not to be put through five times, 1,650 pounds of seed. After keeping 100 pounds for his own use, he sold $\$ 235$ worth to his neighbors and a Farmer's Club near-by. There were many pieces in that iocio, last year, where of others in Eastern onts might have been reached had the seed been saved. present knowledge, This year, from our present knowledge, Would pay all farmers who to press it into service for the production of seed. Of course, with this object in view, the first cutting seems strange done as quichly as porm who been in the habit of selling hay have so little use for clover hay, as they get no market for it. They do not eve rocognize its feeding value for their way it is often handled. Many of the non-seed-producing sections do not even realize its vatue in improt ing their lands, and are content year, when the out theirg make some mor with it, besides. They would likely sow more themselves, and less timothy, wien woud be de The question mirht be raised, "What about the weeds that are altogether too common in these instricts? No doubt, weedsewom be a trobl the second growth there are but one or two weeds which would interfere with growing pure seed, an even these could be satisfactorily dealt with. A kood critarly would be if the second crop blossome out well! If it did, it would likely fill with good seed. If it didn't, there would be no loss in holding until such a time as it then could be cur try for seed this year who can. With very little exnense the ordinare cleaner can be fixed up t

Sell Out and Co-operate(?)
$\qquad$ lately regarding co-operation. Why wouldn't a
plan something like this work out
Co-operate with the laboring men first, by wiving them a ers could, as it were, form a stock company, have The best man for manaker, and everesbe tame in-
The laboring man then would taise the same terest, and we ought to have the best of manage-
ment. With the laboring man taking an interest in the producing of crops, with good management, plements and have the best. could buy cheaper. and sell to the best mbantage. I mean, put
farming or a thoromgh husiness basis, and sat isfy the working man by making him a member of the
firm, and payine him according to, what he earns. Farms would then produce more and better crops they do now; hesidus, the lathoring man would
have a home and very oiten make more money than he woll
$\qquad$
$\qquad$

Charlock for Mustard.

Clover Seed Prospects 1911 $\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
milk used at hese statements are complited. there wil
e definite and valuable informan. It is intende
to follow up this wher sact
The recorders ar, paying special attention to lahe Trie comenties sumere the give consider
ricts; they are ar thonsand cows, so that
to cow-testing by this new forward movemem. Nows hay or fusture. Eastern ontario this
to all applicants. Forms for recording weimht


THE FARMER'S ADVOCATE


After Coronation Reflec-
 George V.--the greatest pageant o
the year-is over, there is time to the year-is the gauds, the hurrying of
look past
ships England-bound from all parts of ships England-bound from all parts of
the earth, the vast congregation of the earth, the vast congregation ond people watest mart of the world, to its
the greate
carrying capacity, and see the real carrying capacity, and see the real
signification of this event that has signification
taken place.
sits upon the throne has, perhaps, no especial bearing upon the question. A. "good king ercise considerable intluence; a "bad", ercise consider cause some confusion and
one may caus as never before, trouble; yet to-day, as never before,
perhaps, in the history of Great perhaps, in the history of Great
Britain, is the Empire in the hands Britain, is the To-day the king, as
of the people.
never before, holds a position hard to never before, ingle, word. He is not a
define by a sing representative of the people firth and whole circumstade that possibility ; he
training precluce is not their leader. Rather does he stand as a figure upon whomere , with
must personify in such a case the anointh the sw high altar and the rod of equity and mercy,
land,
crown has descended the British Empire ing as the symbol of that for which Sir Galahad spirit which, in the sublime words of the sacred cere
monial, calls upon the King, in real ity upon the Empire in his name, t do justice, stop the Holy Church o God, help and defend widews and gone to decay, maintain the thing that are restored. remember to the Redeemer sovereigns of Britai have, heretofore, personaly cart, is ever hidden behind the walls of pro tection he may have been, no king
has ever yel been able to wholly escape " the white light that beats up
on a throne." Whether the new king, George, is of that qualit,
which will lead him, heart and soul, to direct his influence towards the fulfilment, time alone stood last Thursday in Westminster bowed, uncoroneted the ampula and the prayers of consecration were
said, also pledged themselves to assist, as in their power lay, in th out-carrying of these without
whole-heartedly as the men the walls, the fighters already sworm themsel ves
ordens rich must help to carry then, is of events must indicate. King, and Peers, and Commons-that he the great "commons." remain he reflection that it arish mpire individuals that the each of us, is made; British subiects, rests some Fing of Fngland.
gives consent-" to do justice, " " to
stop the growth of iniquity," ", to deend widows and orphans, store the things that have gone to
decay, and maintain those that are estored." As the successor of the genial King $t$ hard to win universal popularity. ut that is not the question. Rather, Is he a. king who will hold up the that is the question which he, by his
life must answer. Too often in the life, must answer. Too often in the
past have those ideals been smirched in the mire of mere commercialism and self-seeking. Will George the Fifth prove a king who will tolerate no smirch, so white banner which all nations may read? From such hints as have leaked out from the pre-coronation confusion of preparation, it appears
that he is taking his responsibilities seriously. If it shall prove that he will take them wisely and tenderly, as well. the nations of the Empire wil
be only too ready to sing, with grow be only too ready
ing respect and sincerity,'." God Save
the King !", The world is slowly the King !etter. May George the


Coponation Topies.
$\qquad$ It must seem to every thoughtful
mind that no moment during the coronation period could have been
more appropriately chosen for the unmore appropriately chosen for the un-
veiling, with all the ceremonial respect due to it, of the beautiful work of art to the honored memory of
$\qquad$ nation.
It struck the right keynote of England's pride in a glorions past, and
of its recognition of the undying gratitude it owed to her whose guid-
ing hands had helped to win for it so proud a position amongst the na-
tions of the earth, thus linking a glorious past with a joyous present
and a most hopeful future. This is casion- lo "It is now full ten years and mine
since Queen Victoria left us, and the gracious voice which so often stirred.
sustained and inspirell her people was stilled forever. Within those ten
years we have welcomed, loved and lost another great sovereign, who had inherited from his royal mother himself with all the joys and all the sorrows of his people, and, if it were
possible, had even hettered her ex ample. But the dead do not all die
Rather, they live again in the hearts Rather, they live ayain in the hearts
of those who loved them, and come back to us after a time transfigured in thest and best in them. It is a happy augury tor then its most solemn mo
Cieorge vould thus be closely asso
ment should ciated with a ceremony which syn-
$\qquad$
$\qquad$
 peould seas. whom haw united thme to ec shrine the memury of Cheen Vi
his Majesty, ". during the ten years
which have passed since the work was which have passed since the work was der interest and close attention, ceremony now to be performed. Though, alas! not spared Edward VII. is more than ever in our loving thoughts to-day. ... It now stands complete before our eyes, to revive for us, and to convey
descendiants the lustre and fame which shine upon that happy age of British history, when a womas equalled the allotted span of human life the sceptre of the Empire, and when the simple virtues of a Queen then followed words which have already become historic " I pray that this monument may stand for ever in London to proclaim toria, and to prove to future generations the sentiments of affection and reverence which Her people felt for Her and for her memory. As time are revealed in their true character the tributes we pay to-day will not be disputed by posterity. Her life was devoted to the discharge of Her
solemn public duty. Her authority solemn public duty Her occasions with sincere respect for Constitutional usage and tradition. No Sovereign in
history reigned so long over so many
$\qquad$
so many wonderful changes come to pass or witnessed such a vast expan-
sion in the scale and power of human arrangements; no reign in this
Kingdom ever gathered up more care fully the treasure of the past, or prepared more hopefully the path of
the future. No woman was ever held
$\qquad$
$\qquad$ ing, and before the moment had ar-
rived when, surrounded by her derivendants of three generations, his Majesty was tould unveil to the eyes of the assembled multitude the
beautiful memorial of a nation's un-
dying affection, there was a short service of dedication, conducted by
Archbishop of Canterbury and the Archbishop of Canterbury and the
Bishop of London. After the Iord's Prayer, intoned by the massed choirs,
was offered the following thanksgiv ing and petition : 0 Leavenly Father, A1 mighty and Everlasting God, by whom Kings reign and Princes decree
justice, we thank Thee for all the blessings which Thou didst bestor
upon us through Thy Servant, Our Most Gracious Sovereign Lady Queen
Victoria. We thank Thee for the wisdom of her counsels, for the care and love with which she watched
over her people, for the bright ex-
$\qquad$
$\qquad$ happy reign: And we beseech Thee
to give us grace that, having these Thy mercius in remembrance, we may with one heart and with one mind
set forward the welfare of this Land and Empire, and hasten the coming of Thy Kingdom of peace and goort Chrict nur 1 ord Amen
Then, raisme his voice the Primate
$\qquad$
$\qquad$
$\qquad$ Perhaps Perhaps the supreme moment of bands of the Guards Regiments crashed out the opening chor in ages past." A thousand soldiers took up he grand old tune, mingling with he sweeter notes of the choir, till, welled by the full power of the
rums, the music of the last verse drums, the music of the last verse
went sweeping a great wave of meldy across the park
O God, our help in ages past Our hope for years to come,
Be Thou our guard while troubles last,
And our eternal home.' At the end, the Archbishop, holding a golden crozier in his left hand,
blessed the assembly, and the service closed with the sweetly-sounding harmony of the Sevenfold Amen."
Truly, the 16 th of May, with its dazzling military and naval displays, its entourage of royalties, some bound by ties of kinship as well as
of national relationship to England of national relationship to England
and its royal family, and best of all by its devotional recognition of what owe to the King of Kings, must pass into the pages of history as a day of the deepest significance
people of the British Empire.

## The Windrow

## The first aeroplane smuggler wa

 tween Switzerland and Italy. in our issue of June 22nd "1 borne House " is the name of theIsle of Wight royal palace, not "Os An interesting railway has just bee opened in the Scandinavian Penin sula. There are 184 tunnels on the The "railophone," a contrivance can be kept up between a moving train and a stationary point, has
been put in operation at tes, many newsin the uncer states, many news ion that trust magnates who have violated the Sherman Anti-trust Law with that statute which names imSo far, no man of great wealth has Thousands of school-boards are is pleasing to note that an increasing number are stating the salary to be paid. This is the only honorable should not be compelled to underbid one another. Indeed, many of the teachers of highest principle now for which the salary has not been proticly staten. monial dates back to the early ages First composed by Monks, it has been
added to and modified from time tine moditime from the

Hope's Quiet Hour.
By the Side of the Road. Hived in was a house try then to site of the road."






 let me the road. in house by
Une ideal. of great ness is. to stand aloor


 down in ply wit tum. Ho did not hive in a palace, with splendide grounds sepa









 There was once an bermit who han








THE ‘FARMER'S ADVOCATE

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$\qquad$ rom my shop where I earn Taily bread, let me see that He
hose hard hands ; know that thared my lot, every bit
$\qquad$
$\qquad$ Or mistrust? Doubt that Carpenter ! hard like Thine is this hand-this of mine: rean oun, kripping to

## The Beaver Circle

Our Senior Beavers Fror all pupils from Senlor Third
"Making the Dog Go Back dh, what a threadbare ruse ! own the lane, to the gate, and out Sorry the scamp is loose :
isions of trouble close at hand, Kard for a boy, you understand, Making the dog go back
histled to come, day after day
niffing you up out in the hay,
swimming with you in the pond hasing your foe with bristling mane Hot on the rabbit's track;
Yonder it goes against the grail Making the dog go back
$\qquad$ tipying the way that you must pass.
Keeping his distance, too: Keeping his distance, too :
Heedless alike to wile and threat. Sneaking away to tor pains you s
Small returns for your pack :
Making the dog go bater Another halt, a few rods on.
And a bootless chase the while The homstead disappears anon
But, agein. within the mile, bep's bland nozzle is peeking o
$\qquad$
$\qquad$
Many a momory now are o'er ;
IVar days that And ever the heart is fane to fare,
The old homeroad once more : The old homeroad ow may see only in dreams
old Shep upon my track,
Sta And Morning seems unkind to we
Making the dog go back !
The Letter Box bear Puck and Beavers, -I have never is not too late yet, I will try. I wrote bathe of Waterloo, but it round hay 1 saw in the last issue of "The Farmfould write a letter about interesting things done at home or elsewhere. Hect Bees." One cold day last week, as
was walking through the fields to his ork, he volohe worms. He went what he thought ere examine it farther, and found out at a glance that it was a He then walked more quickly toward the house to find something to vatch them in. Just as the hammering in the drivershed and found father making a long. there, anlar box. He cut a hole the
rectangula shape of a V in the side of one end. wit All this time I was watching him with a puzzled expression on my face. with that
 Sefore, but had oiten heard of them.
after a little while, the box was tinished. and he started. I asked him if
could ko too, tecause $I$ am interested in
 in to get my coat and a sheet. When we got there, they were still on the limb that they had swarmen wasn
 then put the box on one end of it. "
and sat piled stones on trighten the bees. He pu
blow up and , rrigh $\underset{\substack{a \\ \text { a reril }}}{ }$ ra the box to keep it from tipping 1 handed him the saw and he cut away quite a
bees were on. He then sawed it gently bees ere en. he two or three times
off and shook it two They fell off of it in hundreds. Wh had
never caught a swarm before, and it was never caught a swarm
interesting to listen and wath them. was the largest swarm, tather said thal
he had ever seen. He said that all oo
He
 there was a softer, sweter re gone
We thought the queen must have gone the hive, because they all started
the same direction. It was travel in the same direction.
cold, windy day, and they did not troub us at all. Father then wen and
again, leaving my gister and me to watch again, leaving ays. untit three o'clock in
them. We stayed
then came to the ouse.
As evening silently
closed over us, ventured to go and see it they were still
there. They were all in the hive but bout two dozen or more, so 1 watched then for a moment and then came away
When father came home from his work he passed the hive, and noticing the open-
ins was blocked. he took a stick about ng was blocked, he took a stick about He came to the house then. and we did not look at them again until the next As the sun was slowly dawning ou an other day, we rose and started the wo thinking that the raster we we could see the bees. At las sooner done, and we went up tho see
all was
Father said they had setted, and them. Fatater sat make honey. As soo
were staring to me hive filled, tather in tends getting new bechives, and when they swarm again we will try and cat them.
$I$ have learned through this little, ye
nature's law exciting incident, that if if nature se
evere studied more the world would much more pleasant. H this escapes that w.-p. b. 1 migh telling : how much they have progressed. As 1 have ar veady taker up too mill giving Puck my hearly thanks. and
inc all the other Benvers sucess. ing all the other Beavers sucess.

## One day an 1 was walking alon


 into the hill and the wack ones carryi, home as slaves. GEORGE Mck M

IHE HARMER'S ADVOCATE n. of the banks of this brook lay a log suppose that is the reason I received a something that day made me go over to 1 think 1 will write about the birds Alongside of this log. on the ground, was school, there was a little bird that tried Half-way up the $\log$ was a newly-made three years. The first and second year slit, and in this slit a number of little she built it on a little stick in the sheds ants were hard at work gnawing off the next year the mice rifled it. This yea dust, and emptying it on the pile be- she is building it in a little stable that heath. They have been working for over is close by. The young birds are out a week now and have not finished. How and rise think the bird is a phobe. patient these little creatures must be ! will raised. 1 think the road there is a littl I think that ruck and that these little grass bird's nesto The nest is gear creatures are wood ants. little bunch of golden rod. The we
 I. WINTFRED COLWELL (age 13). On the way home from schoor a wallow'
Brookville Station, St. John Co., N. B. a fence rail in which there is a shiefly mad Brook nest. The nest seems to be chiefly made Dear Puck and Beavers, - We have taken we can almost see through them. The
The years, and like it fine. I live on a farm At home there was a pair of robin about a mile and a hall from New Dun- that built their nest in a large maple

 have been a silent reader of the inter-
vsting letters sent by the Beavers. . My
lather takes."The Farmer's Advocate," iather takes "The Farmer's Advocate,"
and each time he stops, it seems he sulst start again, as he likes it so well.
$I$ am going to tell you about $m y$ hom. I am going to terl youre aboted the Beaver or Cuckoo Valley, a mile from the small village of Kimbericy. About a mile and hree-quarters back of our farm, up on
op of the mountain, or rather hill. lies a small lake about half a mile from one side to the other. Picnickers frequently Ome here, as it seems peculiar for a lak."
10 be away up there. On entering thi" O be away up there, On entering thin
valley from the south, you see a road leading down through it, then up again ill it is lost to view at the other end
on each side are hills and rocks, and a river winds through the green, carpeted meadows till it is hidden by bush in the
distance. One of our nearest railway stations, Flesherton, is situated about ten
niles from here, and when one is coming miles from here, and when one is coming views can be obtained. In spring, when hature puts on her fairest dress, th Beaver Valley might well be the home of
those who are not blind to the beauty
$\qquad$ We have a fine new school in Kinber-
ley, and in one room is a flag made by
the pupils, and on the flag are inscribed
the words. Fimberley Public School. Excelsior."." "Excelsior" (ever upward,
our motto. Besides the flag, the
is ours have pins with the letters K . P.
scholars
S. on them. The colors of the flag and
pins are blue and white.
1 have written a lengthy letter, so must
close. wishing the Circle every success for
the future. ODESSA Walter (Class IV., Sr.t.
Kimbertey, Ont.
This is a very well-written lette This is a very well-written lette
Odessa.
Dear Puck and Beavers,--1 wrote a l. Dear Puck and Beavers, -1 wrote a
ter before, but did not see it in print
but I hope to see this one in print.
The robins have built a nest in our hedge (written, June 3rd). ${ }^{\text {and }}$ They starte
furer werks ago, and they have it built
and four little birds in it. The birds ar Soon will be
We have a little colt, which will be four
weeks old next Sunday. It likes to bo
patted under the chin, and when you d that it will bite at your sleeve.
At school we study about wild flowers invects. and the litte animals. One
morning the teacher brought over some
water in a glass. In this water were water in a glass. In this water were
some little wrigglers, as the teacher called
them. She said we could watch them, She said we could watch them,
and see what they turned to. One mornnis she called me up and told me to loo
h the glass. In the glass there wer
ome mossuitoes, so that is what the
urned into. We also have some polly ogs. We are watching them turn.

Beaver Circle Notes.
Darnley. P. F. I. $\overline{\text { Observation About Home (Ants) }}$

A Tiger Hunt.





## Leave A Sentry On Guard Over Your Teeth

Night-time is a danger time. Before retiring, protect your teeth with this delicious cleanser and preserver-

## COLGATE'S

## Ribbon Dental Cream

Doubly efficient-not only germicidal, destroying the decay germs, but its lasting antiseptic effect keeps your mouth, at night, in the sweet, clean, non-acid condition that counteracts germ-growth.

Sound teeth and healthy gums are an admitted safeguard against disease. The regular use of Colgate's Ribbon Dental Cream will not only improve your appearance, but also your health.

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$\qquad$ c-and-white, being used for the top, or with thin muslin, with pillow-rol to match
It may be, however, that our quilt-mak-


$\qquad$
$\qquad$ a ejoy the fiendly chats from all the
interested ones, and get valuable informasonally to thank them for all kindness shown to me . It theread me so muen to haty to taut they ares so many, but I aun 1 was quite a long time not permitted to see the dear old "Advocate," and when
could it seemed so good again to read the
$\qquad$
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Always the cookbook says:
"Sift Your Flour.
No lumps, you see. Aerates the flour, making it lighter.
Put FIVE ROSES in your sifter
Never soft and sticky - never lumpy, musty, woolly.
Never coarse.
Milled superfine from Manitoba's grandest wheat.
Fine, granular, very dry. -FIVE ROSES
Nothing remains in the sifter-FIVE ROSE
is free, heavy.
And your bread is more porous, more yielding, more appetizing
And more Digestible.
Because the particles are finer, easier to
get at by the stomach juices.
Use this very fine flour-superfine. FIVE ROSES.


Saving Cents And Wasting Dollars There is no economy in buying cheap granulated sugar for preserving. You may save a few cents on the actual cost of You may save a few en mat may also waste several the sugar yours the preserves.
dollars by spoiling the


Grhunl af 脽ining

- coultis io arpuyp ginac


address the Superintendent, but do not

 Eratetuly so much the account of your two weaks with tho prospectorse" in Cink some ot the chat terers were there. ao, in inamitination to all the Nookers tor


Write to the superi tendent of the hospital which you wish to onter. In-
 in beginning your letter "Dear Madam". Yes, that was a fine trip up the
Montreal liver. I have longed for the cool, fresh air of Northern Ontario many
times this summer;-and the hills, and times this summer, and and dip of the
rocks, and deep forests, and paddle : Ah, yes, it is a pleasure to
it all over again, even in memory.

Good Things in Season. Ninglish Cherry Pudding.-Line the sides and bottom of a pudding dish with piecess of bread half an inch thick and trimmed
to fit the dish. Stone a pound of sour cherries and cover thickly with sugar. Stew slowly to keep them from breaking.
Fill the dish with the fruit, place a slice of bread over the top, cover tightly and stand on ice over night. Serve with instead of bread.
Cherry Jelly, with Whipped Cream.Cherry Jelly, with Whipped Cream.-
Dissolve four teaspoonfuls of granulated Dissolve iour ne cupful of water. Take
gelatine in one gelatine in one cherries, stem and stone
one quart of ripe chem
them, saving the juice that comes from them, saving the juice that comes from
the truit and adding it to the soaked
stap


For the children's sake you want a sweeping compound this spring that will smother dust kill germs; make the old carpet look like new and leave the fra grance of crushed roses in the home. That's why we're advertising

## Soclean THE DUSTLESS SWEEPING

A brown powder sold in handy pails at 25 c ., 50 c . and $\$ 1.00$. Your grocer will tell you all about it

SOCLEAN LIMITED
 Arkona Basket Boxes

the advocate


## EATON'S An STEEL RANGE <br> Our Range is constructed of the best material that can be secured. We do not claim that it your money. It is

 Range Range is constructed of the best materiai that can of satisfaction, otherwise we will refurd country. Only made, but we do guarantee that it wine of the best equipped and most moderin foundris care and expert workmade expressly for us, by expert woel is used in its construction, everything that experience, We sell you one of these Ranges the highest contribute, are utilized to make it as nearly perfect as the same time be economical with your money back with every confidence that it will bake quickly, heat we, andicular return it at our expense and get your it is right, but if you do not consider it cnREAD DESCRIPTION CAREFULLY MAD MA FOR COAL OR WOOD The forme ${ }^{\text {G }}$ has more distinguished features to recommend it to the prudent purchaser than any steel range ever offered for so moderate a price. The characteristics of superign, workmanship and flnish. It has six 9 -inch covers.

## SATISFACTION <br> OR YOUR

 MONEY REFUNDEDThe fomb ${ }^{\boldsymbol{b}}$ can be ntted to burn wood 26 inches long, and tor this purpose is supplied inches
with a special lirebox, designed to be boin
wis. eflcient and economical. As a wood-burning steel range we guarantee it to be just as sat

 | tures being just the same |
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| the exxeption of the special lre- |
| $\mathbf{3 4}$ |
| 1.50 |

## DELIVERED TO YOUR NEAREST RAILROAD STATION IN ONTARIO

The Construction
$\qquad$ The Ahe steel heavy rolled sheet steel, and is accurately proportioned in all its parts. It is cabinet style, and stands on
four cast-iron corner legs, which allows free access for sweeping under four cast-iron corner legs, which anows, and measures $201 / 1 / \times 21$ inches,
the range. The oven is square in pattern, mings and nickel medallion, having loose cented on the oven door instead ter the plain centrepiece, niten
of
price.


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OUR GUARANTEE PROTECTS YOU ABSOLUTELY


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The bane or
many woman's
existence, that masculine blem-
ish that makes a sensitive wo-

ENTIRELY REMOVED

By the only satis
painess treatment-
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y and practically Electrolysisf Come during the summer
for treatmentif you live outof ow . We er
had nearly 20 years experience, and are had nearly 20 years experience, and are
Canadis sioneer dermatoonsist
Warts. Moles. Ruptured veins, etc. Warts. Moles. Reptured Veins, etc.-
also permanenty destroyed by the same
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for all
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Mailed
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Hiscott Dermatological Institute 61 College St. Toronto, Ont.

## Courgn'S

are different from and better than any other chocolate confection you ever tasted. Maple Buds are not made by any other concern, as the name and design is fully patented. Look for the name on every Bud.
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Olma(flactes)Cllege ST. THOMAS, CANADA. fosters a spirit of mutual regard be tween sudch to study, parents, church, and
devotion to
a sympathy for all who think and ac

Fall Semester Opens September lith

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Better, Cheaper, Stronger Than Wood
You can't put a better fence around your property than the Peerless Lawn
Fence. It is neat and attractivestrongly and from heavy steel wire, well galvanized and coated with white ename
Peerless Lawn Fence




 THE Benw will hoxl wri five co. tio. Nicholas Murray Butler, President of
Columbia University, relates an amusin, incident that goes to prove there has
bern a considerable advancement in the "When I was a boy," says Presiden Butler, "it was the custom for the coun-
try people to work out their taxes by boarding the teacher. This meant that a.s. part
supplied from various quarters with tresh
meat. "One day a boy named Tim Moorehear claiming, 'Say, teacher, my pa wants know if you like pork.
"' 'Indecd I do, Tim,' answered the peda-
gogue. 'Say to your father that there is nothing in the way of meat I like better ". Some time passed, but there was no .. 'How about the pork your father was
woing to send me?' the teacher asked the going to send me?' the teacher asked the
boy one day.

 TERMS-Three cents per word each insertion.
Each initial counts for one word and figures






FOR JERSEY BULL Purcst Lamhert

 per $15 ; 2$ hatch
Binkham Ont




THE FARMER'S AUVOCATE

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 YOU ought to show this advertisement to your township reeve Culverts, or write for it yourself and tell him about any use Culverts, or quickest, most economical, strongest for any use
## any culvert caa serv <br> See How It Saves Farmers' Money, Betters Roads, Lowers Taxes



This picture is from a photo of a washship of Darlington, caused by use of The township authed that with Pedlar Pect Culvert, forty feet in length by three


This picture of the Pedlar Perfect Culvert assembled and ready to lower in-
to place, shows the immense strength to place, shows these Culverts. Though forty feet long with a bearing of only a few feet at the centre it does See how
one-sixteenth of an inch. See easily Pedlar Culvert can be lowered
in skill needed.
 after the fill-in was completed. The Cuveral hundred tons of earth, as well as the live weight of traffic passing
overhead. But that can't strain Pedlar Culvert, which will neither other culvert can
Write For My FREE Book No. 20 and Sample And get a pelle culvert can be used on your farm.



QUESTIONS AND ANSWERS SPRAY MATERIALS ON PAS
TURE-GASOLINE ENGINE ${ }_{\substack{\text { UURE-GASolins } \\ \text { Room }}}$


"Galt" Embossed Steel Siding, put over a weather-beaten ho lid or barn, will transcomme into
dilapidated structure dilapirated strilding-thus increas ing the real estate value $50 \%$. whole building handsome and substantial, fire-proof an weather-tight. The cost is reason last for all time.



NO LEAK-NO RUST STHEEL TANKS $\mathbf{V}$. WOODHIN




Quaranteod for ton yoeare
STEEL TANK CO., TWEED, ONT
THICK, sWOLLEN GLANDS

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RUPTURE CURED


PIEASE MENTION THE ADVOCATE

THE FARMER'S ADVOCATE


DR. J. STEWART'S SURE CURE LIQUID GALL CURE


 tif you deater
We pay expess.
Palmer Medical Co., Limited Windsor, Ontarlo.
 Gerald Powell, Commission



please mention the advocate.

Questions and answers. Miscellaneous

## sick cow.

 I have a cow with something the mat-with her tubulars. Would youl ommend me to get a eveterinary surgeon Ans.-The description given of the trou-
ble is so meagre that the seriousness of it cannot be stated by us. It would in all probability

MASTER AND SERVANT. A hires a man as farmer, and pays his
are out to British Columbia on condifare out to British Columbia on condi-
tion that he pays back his fare, $\$ 25$ per
month. A writes out conditions to this month. A writes out conditions to this
effect and sends them over for B B to sign. he does so, and returns same.
them in his possession, but $B$ says
will not stand good, as it is made in two will not sta
countries. $\qquad$ British Columbia.
Ans.-We think that B is wrong. INFLAMIMATION OF NAVEL. Would like the following question an-
swered: What causes inflammation of the swered: What causes inflammation of the
navel in a two- or thre-day-old foal, and navel in a two- or the
what is the remedy? Ans.-This is likely joint or navel ill,
and is believed to arise from the entrance of germs into the navel cord Prevention is the best treatment. Keep
the stables clean at foaling time. Apply the stables clean at foaling time. Apply
to the navel cord a five-per-cent solution of carbolic acid, or ten-per-cent. solution
of liquid formaldehyde 3 or 4 times a dey until the cord is shriveled. When
established, it usually proves fatal, ARTIFICIAL INCUBATION. Why do the young chicks in incubato
die in the shell a few days before time o hatching? They are mostly large eggs and from a large breed of hens.
A SUBSCRIBER. Ans.-This may be due to lack of mois-
ture, but it is often due to weak germs, or to overheating in the incubator. Eggs
from low-vitality fowls and poorly cared from low-vitality fowls and poorly cared
for males, often give this troubbe.
Give
the fowls of the breeding pens good feed, though not much meat, and plenty of ex-
ercise. The large breeds are sometimes TIME TO CUT LOCUST HEDGE. What is proper time to cut the com-
mon locust hedge to kill it? J. R. Ans. - The common locust is a very hard
shrub or tree to kill. It is necessary to
cut close and keep it below ground for cut close and keep it below ground for
some time, or it will sprout up and
grow. A good plan, we should suppose, grow. A good plan, we should suppose,
would be to cut it about the end of May or first of June, or even July, keep the
sprouts cut throughout the summer and
very little further difficulty should very little further difficulty should ensue.
Some girdle the trees in spring, claiming that this method kills them, and prevents
sprouts.

## HAWKWEED.

1. I enclose a weed I would like to
know the name of it it it dangerous or
not; how best to kill it, and all about it Ans,-1. The weed is one of the hawk-
weeds, and is in all probability Branching weeds, and It is a persistent perennial,
Hawkwed. It
occurring usually in meadows and pastures. Rotation of crops will subdue the
hawkweeds. The roots are close to the
surface, and plowing, followed by surface cultivation and short rotation of
puts an end to the weed. MANGEL SPROUTS Last year I mailed to The Farmers seed. I soaked those seeds for one week,
and when I was sowing them I found a great many worms in the bottom of the
dish. Please tell me what they are, and whether they injured the seed. The seed
seemed to have a green color when I broukht it.

There was nothing wrong with
whangel seedd
What youl saw was
Wha sponts of the manerel seed. It
Migel seed. What you saw was
anporits of the manelel seed. It
niviseld to soak the seed longer

## NOT A MERIE UNLOADER

-but a spreader that really spreads. The spreader with

## THE NEW IDEA

Pulverizes the manure three times to only
once for other machines. Spreads 5 to 7 feet
once for other machines.
wide; spreads evenly; has less weight; lighter draft;
wide; spreads evenly; has less weight; lighter draft; no cog or bevel gears; Superior in every way to any spreader in the choking or bunching. Fully guaranteed by the

LARGEST EXCLUSIVE MANUFACTURER OP SPREADERS IN THE WORLD. Write us and we will give you name of nearest dealer
New Idea Spreader Co., ${ }^{110}$ SYCAMORE STRERER, OHIO


Union Horse Exchange UNION STOCK YARDS, TORONTO, CANADA. The foreat Whiolesale and Retall Auction soriec (owmossion waritet and Hareene



YOU WANT A STALLION OR A MARE? Smith \& Richardson, Columbus, Ont. Eavo some of the chice ones left yet. EAST OF TORONTO

Imp. Clydesdale Stallions and Fillies for Sale Second shipment since March. Stallions irom $\$ 500$ up to $\$ 5,000$. Fillies and mares in foal, from $\$ 250$ op to $\$ 8000$. Don
fooled or miseled bot come here and convince
ovourself
iphone connection.
J. \& J. SEMPLE, Milverton, Ont., and Lu Verne, Rock Co., Minn., U. S. A. Ormsby Grange Stock Farm, Ormstown, P. Que,, Canada IMPORTED CLYDE FILLIES

 than you can import them. Terms inberal.

| $N$ |
| :---: |
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IMPORTED CLYDESD ALE FILLIES e also a copple ot stalilions tor sale at inght price
GEORGE G. STEWART, Howick, Que.



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 good dtrains, at reasonable prices. Apply to

ANDREW DINSMORE, Manager,
ape Granze" F Farm, Clarkshurs
"Grape Granze" Farm Clarkspuri, ont

© been whed too probany be

NE 29, 1911
THE FARMER'S ADVOCATE

?
$4=8$
Scotch-bred SHORTHORNS
auring the present month ice, of the best breeding and quality, at oung cows and heifers, H. J. Davis, Woodstock, Ontario WILLOW BANK STOCK FARM
 shormiorn herd estab FLOCK 1848 . Have decided
FLised to octer the tramous Duthie-bred
butle Joy of Morning $=32000$.
He . Also bulls a and heive, sure ere got by byiet. him,
and young cows bred to him. AMES DOUGLAS, CALEDONIA, ONTARIO
 Toronto Salt works
G.J. CIIFs, MANAGRR. "The Manor" Scotch Shorthorns
 Wimples, Julias, etto Inspectiort soicted. $\frac{\text { J. T. GIBSON, DENFIELD, ONTARIO }}{\text { Glenburin Siock Farim }}$ A few Shorthorn heifers abo a year old; good colors and in
dividuals, gerkshire pis of the
LargeEnglish sort. LargeEnglish sort.
JOHN RACE JOHN RACEY.
Lennoxville. HORTHORNS, Clydesdales, and OXford
Downs. - Seven red and light roan buls, mthe., by Blosoms Joy $=7374=$, some with


Shorthorns frimation in and heifers to choose trom. Neerys. Come and Hatersville, onnt. Scotch Shorthorms | Forg SALE-T Three |
| :---: |
| chace young Soch |
| Bred |

 A C. Pettit, Freeman and Yorkshires Stock for sale of either kind or sex.
Binkham $\mathbf{P} .0$ Erin Station, C. P. K.

 no spare room.
$\qquad$ ". Yos, and
ale Record.

## -uro nt TNE use of

 MIL URNP ATEALYER PILLCunctipation 15 one of the moest fivFmet and at the anme timpo, aco of to now ricely in abjoot, and abould rover boclleund to condimon
A tiow melle of tho bowde daily chand to the rewth oviry ane whe anphees to prifort hank


 an conery I med
 porticerto mone of too The

QUESTIONS AND ANSWERS Miscellaneous

TO KILL GRASS.
We have a field which we are intending
o fallow this summer. It is rather
ohick with what we call chain grass. thick with what we call chain grass.
What is the best way to fight it? F. F. D. Ans.-This grass is not known to us by
his name, but it is possibly the grass mmonly known as twitch, couch, or grass. The summer-fallow, if
horoughly worked, will
likely eradicate
Shallow plowing
with continue orknalow plowing, with continued
or, the broad-toothed cultiva
or, followed, if deemed best, by gather ig and burning of the roots, will put BUCKWHEAT ON FALLOW. I have a piece of land I am summer
allowing this year, and I would like to haring this year, and I would like to
hear your advice, on it. It was very
irty with blue grass and Canadian this hea

Ans.-Sow buckwheat. It is not spe in nice condition. HATCHING EGGS-NOLN 1. Is there any way of removing moles 2. Does it make any difference whether duck eggs and hen eggs are set together
under one hen? We have tried it, and under one the birds didn't come out very
found that
well. some of them dying before they well. some of them dyin
were quite out of the shell.
$\qquad$ pert is advised.
2. No; it should not make any difference in the hatching power of the eggs
to mix them. Of course, the duck eggs to mild be set seven days previous to the
shour
hen eggs. The young ducks should be hen eggs. The young ducks should be
removed from the nests as soon as removed from the nests as soon as
hatched, or the hen will likely trample some of them to death.

BOOKS.
get a good farm, stock Where could I get a good A. R.
and apple book? and apple $\begin{aligned} & \text { Ans. - There is no general book on agri- } \\ & \text { culture that covers all these branches }\end{aligned}$ fully. The Canadian Apple-growers' Guide, y Woolverton, price, throg ood, so far as
$\$ 2.25$, prepaid, is fairly gor that department is concerned. "Fruits o
Ontario. is the title of an excellent bul
letin that may be obtatned free on application to the Department of Agricultu
at Toronto. Successful Farming, Rennie, $\$ 1.55$, prepaid, and Manual through this office, fairly good treatises Henry, $\$ 2.25$, prepaid, is an authority in
the line of stock-feeding, while Ventilation, $\$ 1.90$, prepaid, by King, are books
every studious farmer should have. PERMANENT PASTURE. I have a 12 -acre field, rather heavy
clay, and wish to put it in permanent
pasture or hay. My intention was to
Mato put fall wheat (summer-fallowing now), and timothy in the fall, then clover
the spring. of course, that would only
at a few years. I think alfalla would last a few years. I think alfalfa would
do, as it is slightly hilly, and there is a
good natural drainage. Kindly five me
oour your opinion. Must I do anything after
powing now, or leave it to be cultivated in the fall when I put in the wheat and
WULFRUNA.
timothy? Ans.-Alfalfa might do very well on thi lield, but it does not stand close pastu
ing as well as some other plants an
ing ores For ordinary conditions sixtures. For ordinary conditions
soil and drainage, a aooo permanent pat
sure would be alfalfa, 5 lbs.; alsike ture would be allalfa, 5 lbs.; alsike
lbs.; white clover, 2 lbs:; orchard gr
brs.: meadow fescue, 4 ibs: tall
 timothy, 2 lbs. Timothy and
might be sown, as you suggest, for hay.
The summer-fallow should be well culti-
The with the broadvated as often as possible with the broad
toothed cultivator throughout the sum-


## Shorthorns and Clydesdales

 RESENT SPECIAL OFFERING:from 9 to 15 months ; 25 cows and heifers ot choicest breeding. This
 W. G. PETTIT A SONB, Burlington Jct. Sta., G. T. R., $1 / 2$ mile from farm.

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 worth all the cows will cost.
you to write, stating what
Business established 44 years.

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 Scotch Shorthorn Females for Sale $\frac{1 \text { am offering, at very reae- }}{\text { sonable pricoe , }}$ Scotch Shorthorn Females fors Sare boual grand od otock bull,
 an will OAKLAND aur hera, numberid be Mapled head. hhould be

 Itario Prices reasonable. HENSALL. ONT. A. W. SMIITH, Maple Lodge, Ont Shire Stallions and Mares, Shorthorn Cattle (bothe. sexes), ald Burlington Sta. 'Phone Porter Broso, Appleby, Onton Burlington Sta, Phone.
 stock. Some show material among these. Mitchell Bros.s Burlington, Ontario Farm $1 / 4$ mile from Burlington Jct. Sta. The $\mathrm{A}^{\text {M LEAVING FOR BRITANTHORNS AND HORSES }}$
the 27th of May

$\qquad$ ELMHURST SCOTCH SHORTHORS AND LARGE ENGLISH BEIRKSHIIRES M. VANDERLIP, Importer and Breeder, Calns ville, Ont Langtord

THE FARMER'S ADVOCAIE


DR. WILLIAMS' Fily de Inseot Destroyer

BAKERE \& BOUCK Live you mone to inves? How would you
like to mate
can do $1,000 \%$ on your investment? can do it
we hav


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| statemen |

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 you can buy tor how titte money. MONRO
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 Holstein Cattie breed. Illustrat tive bookletst free Hol. Holsenn.Friesia
DON JERSEYS!
 DAVID DUNCAN, DON, ONT.

QUESTIONS AND ANSWERS Miscellaneous
keeping silage over. Is there any way to ave silage from
spoiling in silo ? 1 have about four feet
Ans.-The silage will keep very well
ithout any treatuent, only a few inches

any method of covering is advisable.
NOVEL PUMPING SCHEME.
Seing a pumping scheme
ond the elipping to youe. askning in any
and
shen

isable to adopt the plan.
hear through your column:
Following is the clipping:
An inventor in Kansas has hit upon
heir own pumping when they wish a
dink of water The path that teads wp
tin the watering trough terminates in a
the watering trough terminates in a
readmill, which is connectect by suitale
earing to the pump. As the treadill
.
gearing to the pump. As the treadmill
ofrers the only means of access o the
trough, the animal is obliged to operate
hhe pump while it is taking a drank
ve of the advantages of this system
vis

Vided which discharges the water auto
matically when the animal leaves tho
treadmill.". ${ }^{\text {Anis }}$. something new, and then
success of of it is

feeding pigs




in. Whis fall. "Would it pay me to
ahead with the business?



eat intont pute if the prier of these
Sgs themselves and the hutcremilik,
MILK FOR CALF-FARM ON

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R. HoNeY, Brickley Hastings


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cows and some catese for sale.
froduction and quaity. B. H. BULL \& SON, BRAMPTON, ONT.



THE FARMER'S ADVOCATE

E 29, 1911

It Is Miserable To Be Dyspeptic.

Dypepar by one of the moot provileat Goubler ut oldiviliond lifoer and thoumand Noent overithing that entemn a wok ; dyepeptic edromach, aticur an an inititat; cure.
Thio loog trinin of distresing y mptome de dypepeniz man be prompty relioved by bou of of Burdock Blood Bittem
Mra John Sherroth, Fortier, Man. tor yeam A friend of mine told mo
 fiibhed I could eat anything withour botterion and when In had wound and woll Now leat juat fine; indeod I oant ${ }^{n}$ y
Burdock Blood Bitters for miver
 ond Toromes, Ont


Erected at Dentonia Park Farm for Mrs. E. D. Massey. 34 feet 180 tons. Built of "Ideal" Block Farmers, all over Canga, are
eagerly taking up Concrete Blocks for eagerly taking up concrens.
all kinds of farm buildings. Besides being freproof, waterproo
find vermin proof, Ideal Concrete Block are the cheapest
auilding materials.
An Ideal Machine will more thai
An Ideal Mact
par for itself on
or silo you build.
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questions and answers Miscellaneous.
poultry queries

 1s "oppreras good tor hens" $\begin{aligned} & \text { a } \\ & \text { subiscribser. }\end{aligned}$ ns.-1. The hen way have been in
d in sonee way. or possilily be surfer
trom roum. bo noticable. The toath hers sominy (liarrhea accompanies smany disease the hen, and from the description given
is difiticult to state which of theses this
trothy

$\qquad$
3. Copperas may be of some use as
onic, but the purpose for which you wist
or GREEN-HEAD GAD FLY Middelesex County reader brought inte
oftice recently a ny which had been

 was trickling down the vichins necho
The specimen, was reterred to our bio
logical expert. Mr. Dearness, who typlies

$\qquad$
$\qquad$
$\qquad$
$\qquad$ ROUP AND LICE
 Their flesh appears dark after their death Ans--(:apes in chickens is caused by the
windpipe becoming more or less covered
with certain sumall. reddish-colored worms With certain swall, rrasisn the chicken's
They cause a dificulty in the
breathing, and the closer they are to-



## Central Canada Exhibition

©Ottawa, Sept. 8th to 16th, 1911
 poultry. $\$ 16,000$ in cash prizes, and over 100 gold medals and

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e acres added to grounds. Airship flights. Spectacular reproduction of grand naval review at Coronation. Gorgeous day and night firework and numerous other special attractions. Write for prize list
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 nriy al merit and quality. The record of tise howw yard suceess is unequalled, and
ages. Selections of Sheep and Cattle ellways for sale.


## Pine Growe Berizalnires. <br> Milton, C. P. R. R.ars it for Bervice. Sows three, Georgetown, G. T. R. W. W. Brownidge, Ashgrove, Ontarlo.




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7 months of age. An exceptionally choice lot, full of type and qualion ONT ARIO
number of
young boars. Newcastle Tamworths and Shorthorms $\left\lvert\, \begin{aligned} & \text { Willowdale Berkshires. }\end{aligned}\right.$

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& \text { Beef Rings.... }
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Birds: A Plea for the
Birds : Let the, Alone..........
Birds : Protection of Smal

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UNE 29, 1911
Your Dog - Some Lunch and a Tobin Simplex Gun Sounds like a good day's sport, doesut
Whether you are beating the bush for partridge, or bagging a few rabbits,
or "jumping:" duck in the marstes, it is
 wers accurately implise when, without any
tary shootinur tarset presents itselt. The

## 

amply quickest way of verifying this
your
out statement is to see the gun itself, or to
ask any of the good shots-they all know something about the tit-every part of it.
We know all about The most painstaking eare is exercised
in our factory in choosing material in our factory in choosing material n
known quality to go into these guns known qualty to go into these guns
That is one reason why, when you pur
chase a Tobin Simplex, you get a "mon-ey-back" guarantee. that assures you of ether perfect satisfaction, or the ful
purchase amount refunded without ques
tion. The other rea


GATES at Factory Prices Why pay threor four roofty when you can get
gates from Dyer. The Lour Price Ence Man" at fact
Small Bates $\$ 1.75$ up, Large Drive Gates $\$ 3.75$ up Ch MET. Trom Pemend

Agents are Coining Money

writer today tor
wir Avente offer. MLORA.


Count-"It ees a great pleasure for me hear zat you and your family play ze $\xrightarrow{\text { nusic. }}$ Saton-"Me?-why, I don't know any thing about music: Zey tell me all round
Count-'Non?

| AFTER doing up the "chores" use" "SNAP" to remove the dirt and the smells from your hands. |
| :---: |
|  |  |

THE FARMER: ADVOCATE.

BOOK REVIEW
A NEW WEED BOOK.-A new book, Aen," and containing an abundance of
very valuable information on all kinds of noxious weeds, has just been issued hy
the Orange Judd Company. The book is very comprehensive work, by L. H. of Botany at Iowa state College, and contains over 160 illustrations, which
adds greatly to its done crops by weeds is clearly and logicveeds according to duration is given, together with a clear explanation of the
haracter of their root systems. haracter of their root systems. All the
different methods of seed dispersal are
dearly set forth clearly set forth and illustrated, and the Common weed impurities in agricultural
crops and their importance to the farmer rops and their importance to the farmer
are clearly and definitely stated. A copy of the weed-seed law of Iowa State is given. This law is much the same as
the law of other States and Canada. Noxious and poisonous weeds each have eparate sections devoted to them, and
the speoial weeds of different crops are dealt with. Undoubtedly the most valu-
able sections of the book are those deable sections of the book are those de-
voted to a description of the commoner
weeds and the extermination of these. It is extremely important that the farmer
should know the weeds, and this book gives some good cuts and accurate de scriptions which would assist specimen.
naming almost any common spen In the treatment and extermination of
weeds. many practical and up-to-date weeds, many practical and up-to-date
methods are given, ranging all the way from summer-fallow and rotation of crops to the latest known herbicide and chem
ical treatment.
Special weeds and their ical treatment. Special weeds and their
eradication are given under a separate eradication are given under a separatu
heading. The book is also very useful
to the student, as it contains many cuts to the student, as it contains many cuts
and much information about weed morand much information about
phology, and a simple key to the families
is also a feature. The treatise does not claim to deal with every injurious weed, but it touches all those common weeds
which the farmer is at all likely to come Which the farmer is at all likely to come
in contact with. In these days, when the weed nuisance is one of the foremost
problems of agriculture, and when it is so important that every farmer should
know the weeds and the various approved know the weeds and the various approve
methods of fighting them, it is very wise
to have some way of being to have some way of being able to
identify identify new specimens, and of obtaining
a knowledge of methods of eradication.
These These are ably set forth in this 300 -page
work, which work, which may be had through this
office, at $\$ 1.50$, postpaid.

TRADE TOPIC
CORONATION SOUVENIR.-Ever alert
to keep its efficient labor-saving implements before the public, the International
Harvester- Company takes advantage of Harvester-Company takes advantage an
the passing Imperial breeze, by issuing an attractive coronation souvenir containing
he portraits of British sovereigns from William I. down to George V., including
Queen Mary and Edward Prince of Wales. The old flag and the maple leat adorn the front, and Westminster Abbey the back cov

GOSSIP
F. W. Harding, of Waukesha, Wisconsin
ntimates that his plan of Shorthorns this year is to send a young herd, and a calt herd to some of the
Canadian shows, and a full herd to the usual round of shows and fairs in the
Western States. He will also import
He about 300 sheep this year. He has son
to Geo. J. Sayer, to fill out his show herd, the imported bull, White Star, which made a creditable show-ring recor
"John." asked sather, "John," asked father, "do you practic
on the piano while I am away at bus ness?" "Yes, father, every day," replied the "How long did you practice to-day?" "."Theel hours."' I am glad to bear that you are so regula
"And the next time you practice b
sure to unlock the piano. Here is the
tey key. I locked the instrument last week
and have been carring the kry in my
pocket ever since."

This furnace is built to keep gas, dust and smoke out of the house.

| No matter how cosy your | "Hecla" Furnace. Every place |
| :--- | :--- |
| home, an odor of gas, how- | where experience has shown |
| ever slight, is unpleasant and | that gas might otherwise find |
| sometimes dangerous. | an opening has been made |
| The health of your whole house | absolutely tight by our Patont |
| demands a furnace that will give | Eused Joint. |
| pure warm air without gas or | The constant expansion and |
| contraction of the steel and irom |  |
| dust. |  |
| Gas cannot escape from a | parts cannot break this joint |


"Hecla" Fucnace
(1) The "Hecla" has other saroIron Combustion Chamber will no burn through and allow fumes fro the fire to pass into the bouse. The air fote in the door assur The Automatic Ga: Dampe prevents danger from gas puffs, There is a special dust flue to carry the ash dust up the chimney
The "Hecla" Saves One Ton of Coal in Seven


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## This Beaver Gang will Reduce Your Plowing Expenses 40c. on Every Dollar <br> Klows Better-Quicker-Easier

 TWHY use two ordinary walking plows, pay two skilled men and there's a better way?Simply hire any lad who can drive, hitch up three horses to dhis Beaver Gang and tell the boy to go ahead.
He needn't be an expertplow is so simple and
easy to operate. And this Gang plow will make better furrows, plow quicker and save you nearly half your plowing expenses, than if
you used two ordinary you used all about it.

## This Plow Draws as Light as an Ordinary Walking Plow

This Beaver Sulky has all the features of the Beaver Gang. The beam for carrying the plow is made of extra heavy high carbon hard work. The wheels are absolutely dust proof, are always under the control of the driver, and are so arranged that the plow will automatically adiust itself to the


Cockshutt Beaver Sulky
 Judy bottom, which turns a furrow from 7 to 10 inches wide. For loamy soil our No. 21 bottom is rgost suitable-it turns a furrow from 10 to 12 inches wide. The excellent reputation of these bottoms make detail unnecessary.

The distinctive feature of this plow is the Footlift Attachment. The levers are within reach, but need only be used to give the plow the width and depth of furrow, for once the plow is leveled, it is operated entirely by the footlift attachinent, thus leaving the operator's

## This New Footlift Sulky Leads All 0thers

Beaver Gang No. 1-Wheels of this Gang are always under control of driver, and this, combined with our straightener device, enababsolutely straight furrow. The cushion spring on land wheel axle arm, takes the
strain off the wheel when striking strain off the wheel wh work. The
obstructions in rough high beam ensures good clearance. This plow is also built with adjustable beams, which
wide or narrow work.
Our new lifting spring for furrow Our new lifting spring for furrow the plows without effort. The land
wheel is extra large, making the phow run steady and easy. Can be supplied with wide or narrow
bottoms, knife colters, shares, bottoms, knife colters, shares,
tripletrees and wrench. We can-
not recommend this plow too strongly to farmers who want ood work done quickly and cheaply - the great demand we good for this Beaver Gang is sufficient proof or its efficiency. The "COCKSHUTT" Catalogue is a safe guide for all implement buyers. You need it NOW, before you decide on the plow you will buy. It will be too ate after you have bought. Save money and regretsy writis to-day

