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VoL. XLVIII.
LONDON, ONTARIO, JULY 17, 1913

## Don't Shiver Next Winter Have A Warm House

A COLD HOUSE cannot telp being a damp house A Muscular rheumatism, la gripeng, pneemponiauna and
 Sunshine furrace in your home this summer and next
winter you can defy the zerodays. A Aunshine furnace will make your home worth living in -warm, cozy, com

The Cost of a Sunshine
The cost of a McClary's Sunshine furnace is no
nore, or as much, as you have often paid tural implement.' Yet no agricultural itmplement is one half so important to your health and to the welfare o your family. A Sunshine furnace is the cheapest pro ectionagainst winter sickness that you can invest you

Requires Little Attention
As far as taking care of a Sunshine furnace, it's
almost no trouble at all. It only takes a minute to open almost no trouble at all. It only takes a minute to open
the wide, double feed doors and throw in two or three
shovels of coal-or a big chunk of shovels of coal-or a big chunk of wood if you have any ou wish to burn up.
Then it requires only another minute to fill up the
water pan, which is conveniently and correctly place water pan, which is conveniently and correctly placed
over the feed doors. By solocating the water moisture, as it is evaporated, takes the short, direct route to the rooms and the proper humidity of the atmosphere is obtained
No old-fashioned, back-breaking shaking to Mc to and fro, about six times, and the ashes fall into the ash pan. Then to take out the ash pan and empty is a small chore. Taking care of a Sunshine furnace re-
quires less work than one ordinary heating stove.

And, mind you, when rocking down the ashes, dinst escapes to go up into the house and settle on and injure the furnishings. It all goes up a sure-acting dus flue, and thence up the chimney. McClary's experienced furnace builders have simply thought of every
litte, as well as every big thing, to make the Sunshine
the cleanet the cleanest, most convenient, healthful, durable and
economical furnace in the world.

Fire Under Control From Upstairs
The fire, for instance, is always under control with out going down cellar. By merely pulling up a chain the fire burn up briskly in around floor, you can make another chain will check the fire. The only time you need go down to the Sunshine is to put in two or three
shovels of coal night and morning.

Very Economical on Fuel
McClary's Sunshine is very economical on fuel.
Hundreds of Sunshine owners say the Sunshine burns fully a third less coal than other furnaces they burn used. Certainly, it will heat your house to your satis. faction! We, the largest stove and furnace makers in
the British Empire, guarantee it. , Brish tmpire, guarantee il.
Our installation experts will also help you and the of your heating system. They will also co-operate in other ways to insure the proper installation of your
Sunshine furnace. Drop a
rnace booklet. It contains particulars abounshine furnace booklet. It contains particulars about many
other features of the Sunshine furnace that we could
not cover in this advertisement.


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enoush to loe using Inporial Anti-Freezing Pump The "Imperial " is the
pump best suited for pump best suited It has a large air
chamber, extending to top of stand, con inches Has $13 /$-inch plunger-pipe instead advantrage over the
stuffing-box is that it stuffing-box is that
has three plunger bucexpanding, and there fore require no at-
tention. Can be used on any oized pipe from $13 / 4$ to 2 inches in diameter, tapped for wells, the plunger can Got our pump.

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Its compensating gears and cutter bar realigning device are successful examples of the wonderful inventive genius of Mr. Joseph Dain. The gears are so mounted in relation to each other that perfect balance and true mesh are permanently insured and the crank shaft is relieved of all 'end thrust, preventing lost motion, reducing draft and multiplying cutting power. That is why the Dain Mower runs lightly and cuts where others fail.
It is the only mower you can realign, yourself, right in the field with your wrench. This practical adjustment for maintaining the cutter bar in line with the pitman, means added efficiency and years of extra service.

A Real Vertical Lift
Notice the spade handle on the lever. Easy to grasp, no twisting. One movement of one lever raises the bar, knife throws in and out of gear automaticallly as bar is raised and lowered. The large-coil, flexible spring floats the cutter bar, does practically all the work in lifting with the foot at corners and helps in raising the bar vertically.
Consult the nearest John Deere dealer; learn all about this greatest of all Mowers, and about the entire line of Dain Hay Tools, Loaders, Side Delivery Rakes, Stackers, Sweep Rakes, Presses; every one the best of its kind.
Dain makes the best hay tools. They have been specializing on them for over a quarter of a century.
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## A CONCRETE SILO

## Is One of the Best Investments on a Farm

THERE is no question cabout the advantage of having a silo. In the winter and $/$ during $\%$ $\overline{\mathrm{ry}}$ weather in the summer, it assures the dairyman of an increased milk flow from his 条 cows. Silage also $^{\text {a }}$ makes excellent feed for steers. Every dairyman and 'stock-raiser who has a silo will tell you that he would not care to do without it.
The silo here shown is 16 ft . by 35 ft . high. The inside diameter is 15 ft . This will give silage for 182 days for 30 head of cattle. About 20 tons of silage will go in each 5 ft . of vertical height of the silo.
The quantity of cement required to build a silo of this size is approximately 55 barrels. Other material required---about 13 cords of gravel and $11 / 2$ cords of small field stone.

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When building concrete silos or making any improvements in concrete, be sure to buy ROGERS' PORTLAND CEMENT. The man who knows cement will tell you that ROGERS' BRANDS are best.
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Has Your Home Silifre an Indoors curf hoti, the fily, Closet?
 "Tweed" SANITARY odorless Hoset


## GRANDTRUNK Kgatune <br> SUly line reaching all

HIGMLANOS OF ONTARIO



 HOMESEEKERS' EXCURSIONS WINact Tueaday unil Oct. 28 , indusive ${ }^{3}$. EDMONTOA ANDETURN





'HE FARMER'S ADVOCAT

## 䑗Lavat

## Save Much Time and Labor in Summer

$\mathrm{B}^{\text {ESIDES greatly increasing the quantity and improving the }}$ Buality of cream and butter, DE LAVAL cream separators save much valuable time and labo

This great saving of time and labor counts for more in summer than at any other season, and often alone saves the cost of a separator, aside from all its other advantages.

As compared with any kind of gravity setting, the saving of man's time and labor DE LAVALI is woman's drudgery with a DE LAVAL is a big item in its favor. As compared with other separators, the DEAVAL saves much time and labor easits greater capacity, easier running, easier handing, easier cleaning and freedom need of adjustment or repair
These are merely some of the advantages which make a DE LAVAL cream separator the best of all summer farm investments, as every DE LAVAL agent will be glad to explain and demonstrate to See all interested.
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an ordinary warm air furnace because it weighs more. furnace
This extra weight is built into a Kelsey to glve it more heatradiating surface.
It has $\mathbf{6 1}$ square feet of radiatof fire-grate surface square foot
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A Kelsey heats larger volumes of air than an ordinary furnace, and does it with less coal.
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about one-third less coal than an ordinary furnace it is more A ho Is worth more to live in Kelsey rent or sell for more money. The cost of a Kelsey is smatl when the saving in coal bill and repairs is considered This economical hed. tem is fully described in our boklet, "Achievements in
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When Writing Mention Advocate

# The Farmers Advocatte <br> and Home Magáziné <br> Vol. XLVIII 

## EDITORIAL

Rain defies hay-making directions.
A first-class farmer operating on a mixed tarming basis has few, if any, "bad years."

Do as much of the cleaning of the hog cro with the cultivators as possible. Hand hoeing time.

He is but a shallow thinker, or one who cannot bear to think, who forsakes the rural home its chief charm $\qquad$ this lies one

In lieu of a more elaborate irrigation outfit for field and garden. "The Farmer's Advocate" begs leave to recommend the judicious use of the hoe and scumfer every other elay.

Prof. G. W. Dyer, of Vanderbilt
pins his faith to this sensible maxim $\qquad$ the country home as giving the maxim : "Exalt Cor woman to find her true life and render the largest service to the world."

Get a cover crop sown in the orchard. Hairy alfalfa are among the best common red clover and But don't leave the alfalfa longer than till spring. It is too successful a competitor for plowed under the food. As a cover crop to be plowed under the next spring it is good.

There is some good sound judgment exer-
cised in the practice periods of veryctice followed on some farms in part of the work weather, of doing the greater wards evening, resting in the morning and to when the heat is rnost intense. It is easier on men and harses

Among other things Prof. Dean would do if he the hands of a mould be to put a milk' scale into cows-which would be man or woman who milks if he could insure that a very good thing indeed gress that does not spring from aro within oneself is weak-jointed, delicate and killed.

It has been suggested that an effurt be made to get systems of farm accounting into the as part of his school work keen the mecounts the home farm. If there is any better line of we shouldics than this to teach in rural schools, we should like to know what it is. When shall we get down to brass tacks in rural education?

Many weeds come to this office for identificato each year during this season. We are glad pests which infest their fields, and how to fight them. Every farmer should know the weeds he from on his farm, and also the bad weeds which forh time, to time gain a foothold in new neighof every farmer's work, and ster learning the name and nature of the weed strive to remember

LONDON, ONTARIO, JULY 17, 1913

## Educational Bungling

 ome is the learning the truth about things a Tethodist he Phi his personal observations in orning Islands, Alfred Burbank, of Caliria, verilies in part, at least, the criticism that in the education of the Filipinos, under morlan methods, too much attention in "Book Learning", and too little to manual and industrial training. A rational idea of edūcation is to prepare the individual for work, but it is not remarkable that the ansophisticated but his had fipino should have got the notion in the individual In the judgment of Mr. Burn no have to work. of American administration ink the weakest part lates to Agriculture, in in the Philippines reIslands is really bound up and the of which are beyond computation. possibilitie
## Co-operation and Sanity.

seems reasonable to suppose, as the Chief of the Dominion Fruit Division brings out in another column, that co-operation of producers will never guarantee its largest possible benefit until supplemented by co-operation of consumers, and vice versa. It is hardly to be expected that city dealers will go very far out of their way to encourage and stimulate co-operation among producers, though some few may he disposed to do so. Anyhow, the middleman's service will always demand its reward, which must be simp a slice wedged out between the share the parties, taking something as a rule from each Contrast with this the case cited whereby the co-operating civil servants of Ottawa (in which commendable move Mr. McNeill has played a ore prominent part than his modesty permitted him to explain) obtained a car of strawberriea their houses within thirty-six hours delivered at picked, and at a price considerably less than that at which the fruit could have leen obtained through the regular channels. Again in' apples, they have been able to pay Nova Scotia growers full price for their Gravensteins, and yet lay them down for a dollar a barrel less than the prevailing Ottawa price.
Under such an economical system of distribukion, think how much more Canadain-grown fruit would be consumed by our growing cities, and how much farther removed the fear of disastrous busineoduction. Producers have a very real Mr. McNeill in consumers' co-operation.
Mr. McNeill has a very lively faith in the outcome of the present co-operative movement anticipate the linking up int He ventures virtually a single selling agency of the would be tive apple growers in Nova Scot of co-operaBritish Columbia. There are already thirty and local co-operative associations in Nova Scty-two all but two or three of which have united into a provincial organization. Ontario's fifty local co-operative apple-selling associations are being organized linto a central selling association, and negotations have been under way looking to the
sale of the pack or a large culantity

No. 1086
Western Grain Growers on a wholesale basis. The co-operative associations in the Pacific Province are also aiming towards central orgenimtizations? Why not a union of the previzcial organ-
izeNeill is conflident that close organization of producers eonld neter a any but good fruit, and, of course never bear pun, they should never handle arse dropping the Large possibilities of advantage anything elso. are we educated to the point of co-operating on such a scale? If not, why not become on A modern writer has declared that the saner of is the more people he can co-operate with. In. capacity to co-operate denotes a form of inbalance. Remembering this, let us work toward the ideal of sanity and co-operation.

## Seeding and Preserving Clover

The fundamental importance of a eateh should induce proper system of crop rotation should induce us to give every care to getting e good stand of seeds, and preserving it when secured. In this latitude nearly every one seed lover with grain and is warr ind by the fact that a fair catch secured without much asually be and without wiving much extra labor or expenge, to the purpose giving up a season's use of the land to the purpose of securing a catch. It is a misalke, however, to assume that a "nurse" crop" is necessary, or that spring is the only season in Some clover seeding may be successfully done. re of the most successful catches of alfalf. re obtained by sowing alone in July just after cate that in that territory mide experiments indiexcellent oppot torritory midsummer also offer: clover seed. In the get a good catch of have invariably proven more midsummer seeding made earlier or later. perience of our own we are prepared to little exthe statement. In 1011 are prepared to credit field in which drouth seemed to have seeded oa terminated the clover, wa disk-drilled some extimothy seed in August with a sprinkling of alsike, red clover and alfalfa added. One land we disked up thoroughly and sowed with a full mixture of seeds on August 23rd. Rainy weather ollowed and we got a good catch, though the lovers and alfalfa had hardly enough top to come through the winter well. Last year we however, cut a thick stand of timothy here, which, on other areas which had crop, not so good as There was a which had not been disked up. short clover. This spring, timothy, and some before plowing for corn thewever, we noticed tion was much more promising then in quesalongside. Our inference is that the area 23 rd is too late to sow clover on while August in this latitude, the latter part of July or first of August might prove fairly satisfactory. We don't say for sure that it would, but intend We try it. Those who have thin catches would do well to run over them with a disk drill, sowing some more seed in front of the tubes. Then, if there is a little manure to spare, it will tell wonderfully if broadcasted over the field with a manure spreader immediately after the crop is ofr. Catches which look hopeless may, by these means, be preserved and stimulated sufficiently to next summer a hall or two tons of hay per acre Save the clover season is not too unfavorable.

The Farmer's Advocate AND HOME MAGAZINE.

## THE LEADING AGRICULTURAL JOURNAL

 IIN IHE AGRICULTURAITHE WILLIAM WELIED WEEKLY BY JOHN WELD, MANAGER.
Agente for The Farmer's, Adrocate and Home Journal,
the parmer's advocate and home magazine is published every Thurbady.
It ind ind impartial and and eliques and parties,
handsomely fllustrated with original engravings, and furi
 makers, or any, dairymen, gardeners
mentication in anand




6. - Remired to bo discontinued.





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AHE WILLIAM WELD COMPANY (LIMTED),
LONDON, CANADA

## Gold Getting Cheaper

The quantitative theory of money, i.e., that
any decided increase in the volume of molny will
be followed by rising prices for every, commodity be followed by rising prices for every, commodity
measured ky it, and vice versa, has been generally accepted. Every ounce of bullion onte.ed for
coinage decreases the purchase value of every coin stamped by the liovernment. In other wrirds, it as before.
The preater the higher prices will be, if other things remin unchanged. For uges, ssys a writer in the Inde
pendent, economists recognized the fact tlat the best interests onf the people required a standard of value that would remain unchanged. They naturally turned to the two precious metals, but
these have not proven very stable. Thalks to these have not proven very stable. Thanks to
new discoveries of goldfields and to scientric progress in mining, the gold production of the world
has been increasing nnormously has been increasing normously.
During the initial years of the last ive centuries,
follows
 Begirning with the Australian and aining activities the world's gold output in 1849 was $\$ 27,100,000$; in 1850, $\$ 44,540,000$; in 1851 $\$ 67,600,060$ ruld ir $1852, \$ 135,150,000$. A enith of production, $\$ 161,250,000$, was reached years. In 1896, the year of the frec-coinage-of silver agitation in the Tnited States, the world's
output of gold was $\$ 202,251,000$. In 1912 the world's production of gold was $\$ 466,512,700$ eads with a production of $\$ 205,978,325$. Africa dian gold production last year showed a large in crease, amounting to $\$ 13,900,000$, giving us sixth By the discovery in 1884 of the Witwatersrand posits of ath historys were made known. Ther are said to be billions of gold scattered triough The Independent $w$ riter referred to believes it is not an exaggeration to claim that the purchasing power of the gold dollar of 1913 has less
than 10 per cent. of the purchasing power of the

It has recently been suggested that the nations creasing the amount of gold which the standard coins represent do away with the constant depreand consequently end the constant appreciation of the things which the coins will buy, but it is a is the abundance of usable commodities which is iesirable not the amount of them which a given weight of gold will buy.

A System with a Reversible Gear. Certain of the leading American ,magazines have been paying attention to the revision of the Cauadian Bank Act. The Review of Reviews spection takes cognizance of the demand for inion Railuy a Commission similar to the Domin United Stay Commission. and not unlike th The July Forum goes further, and publishes a exceptionally lucid article by Peter McArthur, covering ground already familiar to our readers For contributing some very incisive observations banking system is
ed An engine that, when working as represent ed by its friends, serves the country admirably smioothness agtainst the people, and for the benefit
of those who are in control it can be switched for or against the people without a jar makes it the wonderful engine it is, while handled by astute men. It is so hard ticular time that investigators are at any par stantly baffled. When working as it should it deserves all the praise that is lavished on it, but shown by certain peculiarities of Canadian business, if not by the banking returns that are made
to the Government. As it is absolutely free
from from outside inspection, this kind of manipula-
tion is hard to detect : but the all-too-frequent failures of weak banks have given the public oc
casional glimpses of the more sinister working of the system.'
And he concludes with this next paragraph the force of which may not be conceded by all,
but which is liable to impress one more as he ponders the situation :
"As matters stand lin Canada to-day, the
money of the people, received on deposit through a system of branch banks, is under the control of a few men. It is being used to centralize all small privileged class. In consequence the va prossis of the development of a new country are passing into a few hands. The fact that the people of Canada are not more seriously alarmed prosperity caused by the opening un of the and Fesources of the country. Mines, forests, some years are being exploited as they were whlux of foreign capital for the building of the ways, and the promotion of other enterprises is people an artificial prosperity which keeps the must come soner or tater a day of reckoning pected, the beneficiaries of this system are ex and on the public press, so that Canada is at the present time quietly enduring a state o
affairs that in almost any other country would
he intolerable,"

Observations by the Way
Thase paragraphs are picked from the report
of the Royal Commission on Industrial Trainin and Technical Education.
The teaching profession is being recognized
more and more as one of honor and social im-
New buildings and equipment for technical in
truction were found everywhere in evidence
Efiort is being focussed on the boy or girl
particularly between the ages of fourteen and eighteen.
classes, technical countries visited continuation lecome prominent features of the educational Work, on behalf of scholars whose attendance at
the ordinary schools ends with their fourteenth year The personal power and wellheing of the units
of the community are looked after for the sake Comparing a German city with one in England Canada, one is struck by the absence from th streets in the evening of the youth of both sexes
standing on corners or wandering aimlessly In co-operative industrial schools in the United
wards attend high schools and workshops where In Germor wook about
In Germany the young people engaged in gainfour to ten hours per week, frequently during the morning or forenoon
Occupation conserves the best that humanity has achieved.
A new country like Canada needs the constructive and conquering qualities as well as the
sedentary, absorbing and remembering capacities. Teaching and training the youth is much more than instructing them in the art of reading, writing and reckoning.
A happier day is dawning when a larger por-
tion of the time and effort of teachers may devoted to caring for the health, and hakits and standards of 'the pupils, / while watching and directing the development of their powers and When (in Coniri
wanted in increasing manufactured goods were wanted in increasing quantity and variety, and bounds, it was discovered that there had been practically no organization of means for prepar lecome the best qualified artizans, farmers 'and housekeepers in the world.
Industrial and technical education is to train ndividuals for this warfare against ignorance Industrial training and technical education have everywhere proved advantageous to the community and the nations.
There is no short cut by which a sufficien people in the various the industries and all the people in
Germe permanency of the service of teachers in strongest factors in what has brought about the efficiency of their schools.
rortunate are the people wo lean to and choose to use their material warn, to, use portunities for In all the progressive countries country. being adjusted to meet the needs of the children life, and to quallify them to follow it with ad

## Banking and Farm Credits

Act seems to me that in discussing the Bank sevarate issues. which ought to be kent distinct The criticisms which have been running । in "Th adian banking Advate" have applied to the Can not forget that system as it stands, and we must Arstem and not a bad one. But from time goo hetter credit accommodation for the , need class. and this, as I take it, is another proble chartered banks is chiefly business of Canadian which they furnish reliably on reasonable terms. When a farmer wants credit of this sort he ca counting of sale notes, ond business man. Dis commercial credits. When a bank will advance foeding arowing crop for the purchase of cattle for peding. it is clear that commercial credit cannot
go much farther. What else is required ? Honestly, I am not sure is required ? Ontario, for instance, in need of substantia redits which they cannot now obtain? Many of debt. Even a farm mortgage is often out of noon as an evidence of want of thrift, len looked even; and something to be cleared off at all hazards
a.t. the earliest possible moment vary fine sentiment behind this habit of thought which no economist would recklessly of thought, There are other farmers, no doubt, who say underdrain, get hetter live stock try I would hire the best help by the year, and, in a menera wav. take business chances which can only be in this class? in this class ?
If there is
half the enterprising problem here, that is if one need credits which they cannot obtain at a price oroblem of first-rate importance. At the present time the Canadian demand for land credits is tive. In cities it is hard of it is purely speculamortgages at six per cent, and the funds on first second mortgages are usurious. It is the for the ative buvers who pay-or promise to pay-these A Drofit. and a few per cent. more or tess, on in
a A Drent. and a few per cent. more or less, on in
terest which thev may never have to pay at all
is nothing. But it comes verv hard on the man
price, while the farmer, who. of all men, has a
ertain moral right to liberal land credits, finds himself hopelessly outbid by those who are looking for easy profits instead of the legitimate re
wards of industry. In time the course. and land real-estate frenzy will run its course. ansis. The values of Ontario farms a a
normal bard
hardly shrink, for they have been too low for years, and farm mortgages will always be giltedged, as they are now. The question is credits is necessary, something. in the way of twenty-year loans, repayable by instalments, at
a minimum rate of interest. If so, some new
credit mechanism is needed. In credit mechanism is needed. If so, some new
Co-operative Loan Societies are found in Europe, and might be
established by farmers themselves ; but one must established in advarmers themselves; but one must sort of business they do not understand. in any
just possible that is
jue chartered banks, with their far-flung country branches, might be able to handle business of this sort to the hest adhe to give them the necessary legislative authority to do so.
Canadian
Ganadian banking is undergoing a 'great years ago, the banks are wetting closer to ten people, and farmers sons are getting into the giving place to young men who know the land and the people. Soon there will be hundreds of rural, except for the regulation service in in city
branches, and this will branches, and this will have a most salutary tifime, it is not fair to blame the banks for failure to provide credits which they are not authorized
to grant:
WILLIAM Q. PHILLIPS.

## Bartram's Sandpiper.

Editor "The Farmer's Advocate
In Peter McArthur's letter on page 1150 is a "flecided to some interesting birds which he has much more unusual bird than the raíl. namely, Bartram's sandpiper, or field plover, as they are
often called. often called.
This is a
Iv an agreeable addition ontario, and is certain Thev are exclusively insect eaters. and are be lieved not to take grain at any time.
These birds nest on the ground.
others of their tribe, and hide ground. like al tuft of grass. They have a very pretty habit when alighting of stretching the wings full length above the back and slowly drawing them down to the position of rest. One of their calls is
auite weird being given on a chromatic scale ascending and descending. Another call bears a close resemblance to the sound made 'by, ai
hulbbling out of a water. Mr. McArthur may be congratulated on having
these birds located at his place. They are worth dollars to any farmer, and were I a farmer would be willing to pay dollars to have them value.
withey are apt to frequent large pasture fields with a very few trees in them. Two pairs live
in such a field about six miles south of Another pair was seen last summer about fifteen miles southwest. There are also a few pairs near Ilderton, and last summer I saw one be-
tween Adelaide and Arkona along the line of the Sarnia Gravel. These are all that are known by the London
bird students just now, though they are doubtless cattered all over the country at rare intervals.

## THE HORSE.

Appetite is the best indicator of the amount
of feed necessary for most young horses.
Hot, dry weather makes brittle hoofs, requir-
ing more frequent shoeing than during cooler ing more frequ

New importations are arriving now from
Scotland, England, and France. If in need of a good imported stallion or filly, it might be early while to look through the breeders' stables
have selections before the various lots There has been considerable discussion going
on in the British agricultural press practice of docking horses. Walter Winans, a prominent owner and exhibitor of fancy horses, savs: "The fashion has changed for rive riline
horses, and now a docked horse is of less valu. for riding purposes. Very shortly the fathinn
will also change for driving horses, and the in
proper place) only be seen in museums (its other instruments of torture of the middle ages."

A subscriber to "The Farmer's Advocate" re-
cently informed us that colts are as thick as
A subscriber to "The Farmer's Advocate" re-
cently informed us that colts are as thick "as calves in his district this season. Either calves of exceptionally or there must be a large number in his district. He also , believes that "Tlis Farmer's Advocate" is makling a mistake in has a really good working ir mares. If a man seems to be no very good reason why he thould not make an endeavor to raise colts from her. What do our readers think?

Give the Stallion Work
Now that the heaviest of the stallion's breed which he could profitably many farms upon Where a large stud is maintained on a small with or where no land is worked in conjunction stallions is impracticable as no stallion owner work his horses, but there ore than his wown lions in this country, owned by practical farmers who keep a stallion largely for use on their own
mares and those of the immediate neighborhood. This class of stallion owner is in a good position. "condition" horse in first-class condition. By The horse should be kept fit to stand vitality. day's work, if it is necessary that he be called
upon to do it. This will ensure his getting exercise, and work is the best exercise. His legs, if he is the right type, will keep clean, and his muscles will not waste through lack of use. The
farmer stallioner is very often more neglectful of farmer stallioner is very often more neglectful of
his stallion than is the large breeder and importer who makes "horses'" a business, and always has
in his stables a number of experienced arooms Who makes horses a business, and always has
in his stables a number of experienced grooms to
look after the welfare of his horses ber look after the welfare of his horses, because he very often a a 'man is just hired for the two
months of the treeding season to care for the stallion, after which the horse is placed in his


Bawdsey Laddie.
This Suffòlk-Punch stallion was recently, sent from ittle feed thrown to him two or three times aily. There is no time to give to grooming There are scores of stallions being kork horse. now under just such conditions. Their owners are busy men, and the rush of summer work
compels them to let the stallion compels them to let the stallion take more 'or
less "pot luck." Why not make him a work horse If he is quiet and tractable, he should the other horses have a much-needed rest and a run on grass. The work horse would make good use
of the time, and the stallion would benefit from the ciange. There is a widespread impression among horsemen that a stallion should not work. It is no disgrace to a stallion to show the marks,
of the collar on his massive neck and shoulders. Horsemen put a premium on size and strengt in the draft animal, yet stallions of these breeds live a life of idleness and confinement. We de-
mand muscle, yet we rob the horse of the dell means of developing sinew. Can enforced idle ness add to the usefulness of the stallion. and is it fair or wise that the mare should be expected
to give in the progeny all those important and

Valuable inheritances which come from regular exercise in the collar? The small farmers in La and some of the world's best stallions are to be reason why a stallion should not work to good his keep, and also to develop and mork to earn strong, vigorous physical condition. As with all other horses his training should. begin, during his earlier years of life, but with a good-tempered "breaking" if he is a little older than the usual "breaking" age. Preferably, he should be broken as a two-year-old and driven enough that year to what is expected of him. As a three-year-old his work may le increased to the amount which a gelding would do at that age. Never forget
that he is a colt at this age, and no that he is a colt at this age, and, no matter
what his age, always bear in mind that he is a
stallion. Hand stallion. Handled properly he will work in the team with a mare or a gelding, although in it is
generally preferred to work generally preferred to work a stallion whith a
mare. Firmness is necessary, though no roughness on the part of the driver can Je no roughIt is often necessary to fastem a stick or staf from the stallion's bit to the hame of his tea judicious persuazasion crowding or bill soon teach him A to keep his place. Work gives the stallion less time to acquire bad habits due to idlenees, tends to improper feeding, for hent, ensures regular and other horses are fed, and tends to keep ell his organs in a normal, healthy condition, Hil
should be a better breeder than the idle horse

The Horse Indispensable. While standing with one of the District Repreture a few weeks, ago watching the heavy dratt ment then being dug out of the base torey sky-scraper, in for the new twentyToronto. .Ontario, the latter remarked that would be a long time before the motor touct could be a utilized to get the earth out of suck places. At that thiue the men were digging down some twelve or fifteen
feet below the street Peet below the street
level, the dirt being
loaded directly into loaded directly in ing
large wagons, the heavy tis $\mathrm{s}, \mathrm{th}$ doubled up to pull the
heavy loads heavy loads up the
steep, improvise bridge loaring to is ed ground level. There
 th in $k^{\prime} \mathrm{in} \mathrm{g}$ over the
horses horses' position, oo ne
has little difficulty in coming to the conis such of our country notle animal a per-
manent and manent and prominent
place for years to place for years to
come. The auto and the motor truck have the motor truck have
thêr place, $V u \cdot t$ the
horse can horse can go where
these are prootically
useless, and for thit useless, and for this
reason he cannot be
dispensed
Starting with the end of the horse's use fulness, many of the wealthy people are sure fancy hunters, saddlers, carrlage, and trotting enjoy. They have their automobiles, but still the excitement the saddle on a springy horse, or hounds, or perhaps riding behind a speedy roadster, or a fancy high-stepper. It is a change adds to its charm. life connected with the outing Then the driving horse nust for years and man's carriage will be propelled. His nverage less, and lis efficioncy meets the demands of the masses of the people. The greater-portion of
the city parcel delivery
(especially grocariess and the like) is still done by horses. There never has been so much agitation as at present for the breeding of more army remount horses. The
light horse still has his duty to light horse still has his duty to perform.
Turning to the drafter, the case of still stronger. Whille many light or the horse is pose horses are used on the farms. the draft
horse does thes bulk of the work horse does the bulk of the work. Tractors are an advantage on some very large farms as are oper-
ated in the West, hut oven where they nre used
horses are necessary to haul fuel for them, und to
haul the grain from the fields to the threshor, and generally from the thresher to the elevator, aldrays. But the tendency of the age is towards Farm work in ontario more intensive agriculture. Farm work in Ontario, for instance, is work for the tractor. Cultivation of the land and of the grow ing crop, cutting and barvesting the crop and marketing the "produce either in the raw state o as finished meat require horses. The horse is in-
dispensable on the farm. But city trade is als
horse market at its best, and all that is necess ary to prove that the big drafter and the general purpose horse have their work to do there, is to spend a day or two in a large city looking ove transportation companies use some auto trucks, but they still retain a large number of heavy is ample proof that tho after trying the truck for some kinds of work, The truck and the werl each has its work. There are many places in which the horse is called upon to labor that the truck would not be a success, and for some thing rapidly growing country, and business increases yearly by leaps and bounds. There is fork for all classes of motive power
Our climate with the heavy winter snows in winter, and precludes it even on city strieets The horse works from January to December, and is alwass relfable. Horses will pull a fair load even in deep mud, un auto truck may mire withgravel from pits for building, drawing sand and and frequent stops with heavy loads, and countless other kinds of work are bound to maintain have their ups and. True, prices may luatuate, quite tow, but and downs, and "may at times go subjected to declines and soarings in price. not auto. and the motor truck have taken the places there are so many new wlacestinue to do so, but horse is sure to continue in demand. City and country must have horses.

## Aged Horses Serviceable.

The Horse World cites some interesting cases to prove that agod horses are most serviceable time trotter Goldsmith Maid 2.14 that lowered the world's record six times, won 332 heats in 2,30 or better, and earned about $\$ 325,000$ during her career. She trotted her first race at eight years of age, and at nineteen equalled her best of harness Continuing, the article says the annals little loss notable, and in early days of the run ning turf, before colts were tried as yearlings and raced as two-year-olds, many of the best froformances were made by horses in what wou'd now bs termed "old age." Eclipse was nine years old Henry Kenry for $\$ 40,000$ stakes at the Union Course, on when the ran four-mile Boston was the same age the same course for ectional match or 1840,000 a side in the grea hess and saddle ictories and reached their wheir greates past the age cominonly believed form whon well med to mark the zenit

There are scores of other instances to prove the statement. The old assertion "an old hors ided hard road" is invariably proven true, pro are, has course, the old animal has had good dition. While it is gocd prartice to wood con colt and get him handy, it is never advisable to overdo it. A colt, no matter what the breed, which has its spirit broken by overworking breed lasts long as a useful animal, and is generally a old horse at the comparatively early age o eight or nine years

In the opinion of Prof. Warren, of the New York State College of Agriculture, the present era of high prices may, in ten or twenty years, bring about a period of over-production. In the meantime the farmer cannot reduce the towns man's cost of living. That is only to be acfood products, unless the town family will adopt more economical ways of living.

## LIVE STOCK.

The greatest amount of success in fattening
ed comes when
A good farm scale is of great value in feeding live stock. It pays to know how much feed is

Discussing the founding of a herd of Shorthorn cattle for milk and beef, a writer in the Farmer and Stock Breeder advises the purchase of good less than forty pounds of milk a day whem fresh such cows, he reasons, should give six or seven thousand pounds a day during the milking period, cood young bull or heifer calf. He also recommends Shorthorn breeders to pay some attention to improving tne quality of the milk by selecting moderately high-testing cows.

Canada and particularly the live stock coun ties of the Province uf Ontario might well take a county livestock exhibitions. For many weeks during the summer season in England their shows are held foilowing each other, and from all the exhibits. Our stockmen should put a little more spirit into the county fall shows. Let some of the smaller breeders get out their stock. cannot win, but winning is preparations. exhibiting.

When to Give the Calf Skim Milk There are many different opinions reld by of the beef type. Some hold to nature's mothods the whole milk plan, the milk being drawa by the calf; others feed whole milk from a pail for some whole mhile others give only a very few freds of ration at much too early an age. Exporience has proven that unless the calf is of fancy breeding, and is being developed rapidly for sale as a breeder, or for showing purposes it does not as a to give a calf whole milk very long aftar birth. that if the calf is to make good gains and grow into a sturdy, thrifty youngster it is not advishe is at least aim to a skim-milk ration until change must be gradually brought albout so the not to injunce the calf's delicate digestive How lon
Mow long should a beef calf get whole milk to five weeks of age all the milk given should be whole milk preferably fresh-drawn from the dam and considering that the calf even at the expira this does not seem to be too long a period When the calf reaches four or five weeks of age small portions of sweet skim milk might be safely added to the whinle milk, increasing the sweet skim milk has entirely taken the place days the whole milk. It is necessary to do this with
the average beef calf in order to keep
cost of raising the animal to a profitable age to It is necessary to ruplace the fat lost in the
feeding of skim mulk by some means if the feeding of skim mulk by some means if the calf is pose nothing is better than linseed: For lisis pur grows a meal ration should be given, As ife calf ecommended in the old country where much one uccess is met with in calf rearing looks good f oatmeal, and two parts of corn ceed, two parts is made of those by adding boiling watar, aftel which the skim milk is poured in, the whole being ed warm. Good feeders in Britain give about one-quarter of a porund of this meal daily about
beginning, increasing the amount at the time skim milk is discontinued the caltil are getting about one pound each at calyes Too much importance cannot be attached to leeopwhile it is not generally profitable to foed and milk for very long, it is profitable to feed whole after it is stopped some casily-digestible aime, and fat substitute is advisable to keep the calf grew-
ing.

## Good Gains in Growing Stock

In a late numier
In a late numiver of the Advocate the profits concludes that the most profit will without figures heavy catcle. This conclusion is contrary te from animal growth A colt full fed will make half his matare he made the first year. The third year lialf what made the second. This law of animal wiat he will apply to cattle, sheep, and hogs. . Wowth The first of last winter, we bought nine short-horn-grade calves, well bred, but very thin,
Their average weight was 329 nos. we and barley with a very small sprinkling of oats ground fine with some bran and shcrts added. with was fed night and morning, carefully mixeit again weighed the middle of Junay. "They wria of the nine was 686 ms . ( 28 lbs . each over diouble If weigh). in six months) steer doubled his weig't ( 2,400 would pay well. fie bought an cattle certainly She nursed calves the summer and winter before She had a few teeth left.. She was nurse for a strong, thrifty calf. He took warm senarated milk besides. At two weeks he weighed $\mathrm{F}=7$ hbs. Ths., having doubled his weight. At one year old he weighed 1,C35 lbs. I suppose anoth3r year's feed he would have been 1,500 ms.
strate the extreme folly of sta clearly demonstrate the extreme folly of starving a calf, a
yearling and a two-year-old to get a twelve-
hundred steer to fall Middlesex THOS: B. SCOTT \& SON.
INote.-We presime the article referred to by our correspondent was one which appeared on animal gains are made more rapidly in the young this subject which appeared on page insticle on issue of Mhy 22 , as well as in many other articles
which have arpar article in appeared from time to time. In the nection with buying cattle in the made in con-


Avondale
First - prize aged Hereford bull at the Royal Counties Show in England. Owned wy H. M. the king

JULY 17, 1913
THE FARMER'S ADVOCATE.
stating that the spread in price worked ou much magnitude, and as it grows the honor of winning
greater wight in heary cattle than in light incer inceases, confidenco is instilled in the greater wright in heary catle than in light
giving figures to prove this statement, and also high degree of finish on a more mature animal
than upon a young animal which uses a large than upon a young anymal which uses a large
portion of its feed for grow th. The same article are made with the young animal economical We would not tor one moment discourage the feeding of young
stock, but when buying a bunch of cattle to pot stock,
in the stable in the fall the initial weight to put
must have considerable importance in consideri igg prohats accruing from spread in price. Whitithe pro-
law given in our correspondent's articter applies equally to all classes of live stock or not there
is always plenty of good argument to take good care of the young stock. It always pays, good
profits in making baby beef are good for tie man in the business.- Edititor.]

## Prepare, Show, Win.

To th stockman who has been exhibiting at
exhibitions for a number of years, experience has llearned all the years, and through
lead to success in the outs which
 animal must be fit or a win will well that the tered to his credit, and he also knows how to arena each yeur to do nat new breeders erter the and these men, inexperienced in the game, are of-
ten at a disadvantage ten at a disadvantage. A year or two in exper-
ience adds much to their chances It is to be hoped that this year will see a
larger number of young or new exhis larger nurbiber of young or new exhibitors at all
our Candian slows from the largest industrial
or or national show down to the smallest county
fall fair. An annual autumn pxhibition live without live stock unless it be some special
featury feature like a horticultural show. Live stock breedars should endenvor to strengthen ril these
shows by incries mals. Cood shows the entry of credita ile ani-
but hel which they are held centive for the young man to put the best that able showing at the finss than to make a credit lutely necessary for him to win in order that his win. Good judges' opinions dififer. All canno ition. If you hood stock in the best possible con-
dit a good animal it will be head of the etrono thash it does not stand at the in the rimpt directiour business, give you you are the right kixid of a stockmont yous, if your anditions again until the highest goal of lock, carries off the reds and the blues, and the accompanying gold and silver from the groatest
oxhibitions in the land. The young showman must have a single purpose, dogged determination and must be a good loser as well as a good win-
ner. It is said that anyone can be a good winner in this seense every man to be a good loser, and his stock at any person contemplating entering
calibre nuibition, no mater mathat its befall, he is going to play che part of a whatever
every sense of the the ter Winnings is often form. Hilowed by the nastiest kind ol growling and grubbling when another of tre same
wnuer's entries goes down to defeat. stork, wusiastic. Nor living man could see his own
storn he has bred and raised and hurefully and the coveted trongh days, weeks and rionths, of satisfaction, but undue boastfulness allways a thill
irritates spectators and often is resented by the latter, exhibitors, and
that their stuck is being tetithe they feel through wiming be displayed by increased efrorts Haviny decidation for further conquests. be donne early in order to exhibit. Which should always
in such iibitor justice, it is al always well toll as the exontries appear other exhiinitors are visited and their place and under no consideration or better cordition the good stuff your stock is at all worthy. Get
and success must right with it undaunted It is generally advisable to begin the showing
business at the county fairs. Here compotition
is not usunt and nut usually so keen as at larger exmititions,
hibitor eeperience gained stands the yoirlig exIlarge scale and seeks new fields to conquer.
By entriny the tocal show it it improved others
are ininced to follow suit, the show grows in
ingrnitude, and as it grows the honor of winning
wineses, contidenco is instiled in the cunsistent
shows, and he stes
 Ard yet we where he began a few years before.
Ardid not have all the succaut
hibitors hibitors leave and forget the county fair where
their dreans of success their dreans of success first became reair where
tete them still exhibit a few animals and
advice advice and hexp aid in every way possibie the the
younger breeders ing, and geaining io keep the exhibitions prope and value. Oldors-
more experienced more experienced breeders can do much to encourNow is the time to ing touches on the stork ready for the Soptember and October farrs. Herdsmen who have been
through the mill timio and time
just just how to handle their stock, and yain, know ten, in fact, in nearly overy ghow herd yory or-
animals will do their best lar conditions. Each cow under identically simipeculiar individuality which must be recognized This is something which water mark in condition to overloone Lhing Whitthe young feoders are prone
the diferent animals and dislikes shown by the different animals are ignared, and, what one
does well on, the other is compellid to
libe the livere quantity. The other is compelled to taike in is very often a mistake in
is wise as piossible, and condir viduality, feed as regularly little peculiarities of temperamente to the animale all means have the stock educated. No cattle beeast
old or. young, and no horse show ring without having beenl go into the ners." Cattle should load well, and should be taught to stand in good position while poing bexthe smaller prizes. Altrained horse seldom wins even detracts graatly from hisk wardness or vicioveness
lead welli, and olden
Colts should harness, and older animals, on the line in the pected of themer randile, should do what is exIng accomrilishes all that is desired in most cases as handy as one would animal cannot the made met with if proper treatment is given in time. in the judging ring. By all meansure of "sense" quiet. Quietness in the pen, with frequent pigs bet them iheir backs while feeding will do douruch to easily be taught to lead, and at least should be haietly frequently so that they will stand quietly while the judge goes ther will stand and so quiletessss fucilitates handle sheep in Judging, handling the to hest advantage. Ton much is appearance before the judge is seldom given shows, give ovidence of tespecially at our smaller otherwise. Training is almost le training than leeding and keeping the stock clean. Upon this success be curried regularly fatle and horses should show to give their hides the gloss whice the much admired. TJe the brush and a rag to wipe besides polishing up and brushiug is done. This coat, keeps the skin clean
and the animals be used to good effect upon pigs, and bot may in immediater is often used on cattle and pige, and a coarso coparation for the ring. Shears sheep's fleece in condition, and with to put the must be taken to keep dirt wout of the waol.
These little things will add to These little things will add to the appearance
Perhaps, after all Cuaile rings

Perhaps, after all, feeding is the most importan consteration after animal form., Recognized type
trust be the foundation of show stock must bu filled in and rounded out by flesi this on snuoothly, proportionatelled, and in in liberal puat
tity. This nust he covered with skinin or hair of good quavily, which skin, and wool
fluenced by feed ling, and the breely
inAnyone can throw a forkful of hay, a pucket
silage, and a
 not all men, even those who have beat raised in
the business, can feed that bull in as to lring him out in nicest form- a manner done, yet finished. It requireser skinl not over-
animal's digestive systen working to the
age age. Appetite mustem often be be coaxed a advant. and care is always neeessary that the animail
does not "stall") and fail inste the does not "stall", and fail instead of gain. Even
after a "stalled" animal bexing to is renerally some time befins to eat again it
Refusal of food ts time bains are made refusal of food 15 simply a sige gains are mad that the organ
of digestion and assimilation an taxed, and ane insured, and it tave been over-
time to regain their normal states them some time to regain their normal state and the axercise
their normal functions. Feed liberally iully; brirg the entries out in the best but care-
 mination to win by the problem with a deter-
merits of your stock.

Raising Pigs for Profit the farm than any other clase of live sed on They are used as the scavengers to utilize stock. wise go to waste. on the farm that would othar-
ore when allowed, here and there many thinge the other stock will not consume. many things thant
spoiled fruit or vise there is spoiled fruit or vegetables, they are given to the
hogs.
If there is any injured gre
 ablo produce. They are convert it inost economical matducers of meat of an kind of stock kept on the farm. They waste less and, with proper managepent, give greater returns, Pork is the mot
economical mmeat for family
pund of pound of pork will go as far for family consump tion as two poundo of loe.f It is more easily
cured and rotained for future transported and used in arl uarts, and can be It is always ready for family use. A mood sorlic. of smoked ham, hhoulder or bacon, cookod slice
with' eggs maleeg not onry palatent
 farm or in the workshop. man, whether on the There are a number
consider in raising pigs, successfully. It it in to than to purchase the opmo produce pigs on the farm ing. The breeding of the pigs on the farm fatto into activity the farmer's best judgment in in gard to the stock he rarises. When the compar can be had, is considered, it is breeding stock while to vestow much time or expense on an the ferior class of stock. The or expense on on in-
good, and is far cheaper in the best is none too In order tor cheaper in the end. ideal of the formermer, such pigs as meet the highest an important matter to select breeding stock that will be nearly if to quite, the Nhest deal in form and general special pains to select brood sows better trom fortike that are known to to prolide, ass it dom doesnt comition any more to keep a brood sow for a a year that
will raise twice the number of pigs that another sow will raise, then it does ot pige latter. Sires should be selected of not only the rieght The fact should brom familles that are prolifice. transmits to the proorne in mind that the external form and seneral make-up; ; therefore, the animal selected head, $\left.\begin{array}{l}\text { hhort } \\ \text { broad }\end{array}\right]$. backt hams, toagether with boongt of of hip and broad boned pigs cannot be expected from small-bonged progeny inherit the vital organs and intornal easily seen thargely from the dam. Thus it ie strong. vigors that one can raise pigs that are strong, vigorous, have good sized bones and
muscles, and large vitel
alone with them The with them a strong constitution. not represent oither extroat-producing hogs do
nespe. It is the mediumsized
nese ness. It is the medium-sized hog that can be early period in its wife that is the most proftehn meat producer. not attain -rize quickly, and the extreme one coarse
ones require to ones require too much time to get to market
condition and weights to be as proitable as the pigman likes.
not is a matter of prime importance that should conditions es will prouround the herd with such Nature seems to have designed that the hog tact with the ground dors, and come in direct conquarters, disease ground. If kept confined to close liable to fall vietims to disease, which are takes them of or reduces greatily the profits in
the business. The deat pigs are out in the open where they cor raising ready access to vegetation, and, if posilble, good
running water. Of course, during the wint animals need protection from the the winter the Constructed houses then are an absolute necessity Considerable
hog wallow in the summer time. That is called a that the wallow adds not only to the colende the hogs to allow them to get into the mad durmaintains a healthy condition it promotes and running water to a mud wallow, but the clear To compel the always be at hand on every farm. day without some means by which heat of the wallow heated condition by getting into the that which water, is to subject them to endure health, but dangerous, as mas many hogs are toost The importance
external parasites should not the overlooked from the quarters where the pilss sleep ovecome indested
with lice, it is well to y, burn the bedding and apray the out thorough y, burn the bedding and spray the sidewalls and
door of the nesting places with some good diein-
lectant. Then the pigs should be sprinkled with solution that will be sure to destroy the lice.
The animals should be taken in hand a good, stiff hair brush, the lice kilier sorubbed
into the skin around the ears and neck, down the side, in the fore flank and all around the back his will destroy the nilts. the lice on the 'pigs, lice apparar agatn, they. shoult by any be chance the the
but the same operation ropeated until the herd tut the same operation roupeated until the herd
is entirely free Irom lice. Pepict canne is entirely free from lice. Pigs cannot be ex-
pected to be healthy, thrifty and profitable meat producers if tormented with parasites.
There is a diversity of opinion among breeders as to the propriety of promoting rapid growth of pigs while young. Breeders of pure-bred hogs
contend that they want to make the growth slow ty while young, in order to retain great strength avd vigor necessary for a long life, but with the average farmer it is different. To him it is
matter of importance that he pay attention mat promotion of growth early in life. There are several reasons gwhy he should do so. In In the first place, it costs less to increase the weight of the animal while young, than it does later in
life. By feading well-balanced rations, contain-.
ing a ing a large percentage of protein, the tones and and vigor of the vital organs retained. In the second place, the quality of the meat from a pig
that market wiichts, is superior to that produced on the slow-growing pig. The fact should be kept
in mind that the muscle and bone on all animals grow during the growing perione, ond all if one de de-
sires to raise stock with pood bone and muscle they must to well fed while young. In the third place, it is more desira...e to hasten the growth
of the pigs to market weights, because the turns come in more frequently, At the the re-
tion six or eight month, pigs weil handlede and kept
growing should have reached the popular market growing should have reached the popular market
wetght of 250 to 880 pounds. each, and be of quality equal to the best that can be produced and have cost less money than by the slow-feeding process
of the fact that it requires a certain percentage or the ieed to maintain the animal should be
kept in mind. If only as much feed as is necessary to maintain the life of the animal is given,
then that feed is then that feed is wasted, but if fed more and in a manner to make the largest possible gains,
then there are the greatest possibilities for profit. Then there are the greatest possibilities for profit.
These facts should be kept in mind from the beginning to the end of the term in raising, fatten-
ling and marketing hogs. W. H. UNDERWOOD
[Note.-The popular weight in the United of 160 to tor pounds is where the bacon hog
article is whise article is written from the United States feeders'
viewpoint, viewpoint, it is none the less interesting, and
most of what is said is applicable to conditions most of what is said is applicable to conditions
in this country.-Editor.]

## Carbolic Acid for Abortion

The internal use of carbolic acid for the pre-
vention of contagious abortion in cattle with some notes on the relation of granular vaginitis to abortion, is the subject of a Mrontana State ported which J. Taylor. The experiments re have led the author to the followin chee herds, "Carbolic acid, fed in solution conclusions hvpodernically, soems to be a specific injected contagious abortion. Cows, as a ruerice, will eat with apparant relish as much as 750 cc . of a ${ }^{4}$ per cent solution of carbolic acid in feed daily
The hypodermic injection as a treatment in an The hypodermic injection as a treatment in an
affected herd involves less lator than feeding. In cases of impending abortion carbolic acedid can be
injected in sufflicient quantity Injocted in sufflcient quantity to cause staggering gait and dilation of the pupil of the eye (When it
should be withheld for from 10 to 15 hours and
 should be treated as indicated. Contagious abor tion and granular vaginitis may be transmitted
through the medium of the male unless proper precautions are observed. Not all cows showing granular vaginitis abort. Heifers pregnant for
t.he first time are more liable to abort that ing subsequent periors of gestation, and should
ho carefully watched and vitorousl:
treated if ha carefully watched and
abortion exists, in the herd.

Did you ever pump water into a large trough
from which ten or twelve large cows or steers fromu which ten or twelve large cows or steers
were drinkine at a time and as many more im-
patientik wait ing their cattle drink the water as fast as it is produced.
and remain at it until you think oon have noar. and remain at it until you think you have near-
ly dried the well. Anyone who has had this ex perience understands just how thirsty cattle exet
at this season, and how important it is that they have access to water at all times. A day or
two without water gives them a set back, and is cruel in the heat of summer. a set back, and

THE FARM.

## How Fast Does Corn Grow?

growth of a corn crop from week to week and from month to month. There are times when it soaking July rain the growth of a warm soilreaching towards the tasselling stage is almost miraculous. In times past we have measured selected hills from day to day, and the number or inches of growth made in a day was so aston-
ishing that we refuse to trust our memory to quote the figures. Any corn grower may easily do some meassuring for himself, however, and we interest it arouses. some very couservative figures used by wo quote in the Breeders' Gazette. The variety was Wisconsin No. 7, and it was grown on a clay-loam
field in Southern Wisconsin duri 1912. The corn was planted the latter part of May, and the accompanying table shows the growth made during each of the periods indicated, as well- as the average daily growth.

| ate | Height of corn. | growth period | Average dail <br> growth during period |
| :---: | :---: | :---: | :---: |
| July 2 | 1 ft . 2 in . | 1ft. 2 in . | 0.4 in . (about |
| July 12 | 2 ft . 6 in. | 1 ft . 4 in . | 1.6in. |
| Auly ${ }^{22}$ | 3it. 6in. | 1ft. Oin, | 1.2in. |
| ${ }_{\text {Aug. }}{ }^{\text {a }}$ 2, | Sit. 4in. | ${ }_{2}$ 1ft. 10 in . | 2.0in. |
| Aug. 20 | 8ft. 2in. | Oft. 0 in. | ${ }^{2.4 \mathrm{in}}$. |

pect, the tate the indicates, as most of us would exduring the latter part of July and the first gath of August. From July 22 till August 12th it grew on an average 2.2 inches per day, and there
must have been manany dayg when considerably exceeded. and wen the average was attained was only 8 iget 2 inches, it is height hard to credit sturies of corn stalks of ligig dent twenty-four hours. But measure six inches in for yourself this summer and see what you tway see It will help to impress the what you may
tinued shallow cultivation conmoisture to sull civation to conserve all possible moisture to supply the large water needs of the
crop while making its wonderful growth

## Using Barnyard Manure.

J. An Ohio State Experiment Station bulletin by tion derived from experiments at the station and compiled from other sources on the production value osition, conservation, $\begin{aligned} & \text { reinforcement, and } \\ & \text { It shornyard manure that }\end{aligned}$ and iquid excrement contains nearly halt the nitroge and potash voided by farm animals; "when steers produced is more than s\& value of the zanure each animal than when fed on earth frearer ;
the least amount of find stored manure if animals are kept on it, or it it is
kept in kept in a moist, well-packed condition ;
open barnyard man it apen barnyard manure is about one-half hat valu-
able as stall manure ; stall manure ap aners he more effiective in ; stall manure appears to ahle from floats and other phosphorus avail phosphorus in slightly available form than varring manure; the addition of phosphatic matarials to manure greatly increases its fertilizing valuriae and
pays a handsome return for the trouble murpose phos,liatic mnterials trouble, for this valuable on most Ohio soils than gypsum or kainit e manyle user in connection with contin-
vons croupine will not maintain the maximum
viold viold, but when used in connection with crop rotation it increases the sield of ell crops grown
in that rotation ; land] pmanure used in conjunc
tion with a complete fertilizer higlt in phosphorus
will give better returns than when either is used .

Sowing Clover after Grain Harvest. During the last three seasons the Soils and Crops Department of Purdue Experiment Station has been conducting experiments to determine the imes during the sowing clover alpne at different Septomber, making a seeding every three or four weeks. The degree of success has varied considbut the midsummer seedings weather conditions, satisfactory than those made earlier or more The success of the earlier seedings has been menaced most by beating rains shortly alter seed-
ing, followed by heat and resulting in crust of the ground. by heeds, which and resulting in crusting rapidly at that time have also spiven up very
Trouble. The late August and September seedings have not and, in this latititude, are not to be teco winter, at all. So far as these experiments have cone they indicate that seedings of this kind made in
July and early sugne July and early August are most likely to succeed, and, on the average, one may expect to
get satisfactory results from seeding clovers at any time when a good seed hed can be prepared after wheat or oats harvest, and before the middle thoroughly double-disked ande ground should be after harvest as the shocks can be removed, and the ground is moist enough to work, says, Prof.
A. T. Wiancko in a recent press buletin A. . Whiect. The opportunity ane press bulletin on the
se watched for and usually there will be several chances, as there is very serdom a season when there is not enough
rain to soften the stubble ground is July or early August , The earliem time in working is given the ground the better the firs count of the destruction of weeds and the preservation of moisture. The disking will chop up the surface soil, and if be a fine seed-bed for the clover which should
then the soil sown at a favorable opportunity when rain to avoid crusting of the surface. The sea may be broadcasted and lightly harrowed in of a regular driled shallow through the grain tubes grass seed drill will of the special clover an: gurs woed
From experience on the Station plots with summer moisture conditions less favorable than fident that the chances authorities feel con clover alone in midsummer are much better thin hey are with the usual methods of spring seed-

## Sweet Clover's Soil Preference.

correserence 10 sweet clover, which une crop, and which Proi shaw has ndorsement as a means of sail improvement, ence of F , J to some neadrars to know the exper has tricd it on savevitz, Provincial Forester, who series are situated. On such his forest-tree nur t difficult to obtain an satisfactory he has found sed, although it grows rankly on hard-clay hills nd on the edges of ruadsides. It is somewhat
imilar in this ongest on hard clay, providing it is sufficiently vell drained.

Many Indiana farmers are facing a clover fail e, especially in the Central and Southern parts ery vestige of whoung extreme drouth destroyed


Three Acres of Alfalfa (Second Year of Cropping) in Coil at Weldwood, 1913.


JULY 17, 1913

## THE DAIRY.

## Keeping Cream Right.

From an extended series of investigations in
the care and handling of cream for hutter the care and handing of cream Yor butter mak-
ing. Geo. H. Barr, Chiof of the -Dairy Division Dopartment of Agriculture, Ottawa, draws the
folowing conclusions :-An ordinary cellar
Cream must be cooled to 55 dearees, Cream must be cooled to 55 degrees, and held
at that temperature to be delivered to the
creamery every other day in a sweet condition ereamery every other day in a a sweet conditione
Setting the cream cans in water, or in water and Setting the cream cans in water, o
ice, is the beist method of cooling.
Cream delivered only twice a week must be
cooled immediately after skimming to 48 or 49 degrees, and held at that temperature.
A refrigerator is not as pood a place in which
to cool cream as a tank with water and ice. The natural ripening of gathered cream at the creamery
ing qualities.
The use of ten per cent. of clean-liavored
starter improves the flavor and of the butter. - Butter made from pasteurized cream without quality than butter made from raw cream to quality than butter mate from raw cream to When the cream is tainted.
Pasteurized cream with 10 per ceant of a
starter added gave the beat-flavored and best

Cleanliness and low temperature are the two most important essentials in the production of
fine-flavored butter with good keeping quality.

## HORTICULTURE。

Co-operation of Fruit Producers. There are in Nova Scotia 32 co-operative
apple-selling associations.
With the two or three. thase ass.ociations have united ina a central selling association so that in all
probability this year from 50 to 75 per cent of probability this year from 50 to 75 per cent of
the fruit of the Annapolis Valley will be handled ef te a single selling association.
fo-operative
apple-selling
Ontario has over
associations. These are now being organized into a centrai
selling association, so so selling association, so that, if not this ycar, in
the near future a very large proportion of, the apples grown in Ontario will be sold by a single
selling agency. The fruit growers of British Columbia are also being united into co-opera-
tive selling associations. and it is their have the selling of practically all the apple krown in British Columbia done through a applele association. When this is consummated, no doubt their three selling associations, will meet and so arrange business that practically a large propor tion of the apples of the Dominion will be sold
through what to all intents and purposes will be a single what io all intents and purposes will be
association. Even the suggestion of such a consummation will startle the consumer into the thought that here is a gigantic trust heing organized, one more octopus to assist in
sucking the life out of the poor consumer. Nothing could be further from the actual facts.
Such an organization among apple growers will result only in good to the consumer, though of course the organization is undertaken primarily or the good of the producer. If the production agpples could be controlled as easily as the sell-
ing of them, we might indeed look for all the evils of a corner in the fruit market. Such, however, is not the case. It is in the interests of
fruit
are srowers-and the co-perative associations are simply the fruit growers combined-to lower
the price to the consumer. I have. no hesitation in saying that no greater disaster could come upon the fruit industry than a series of years
with high prices, made so by 'trust methods. think is amply demonstrated by fruit growers the last half dozen years the California Fruit Exthe total output of citrus fruits in California, a control that was quite ample to enable them to time they wished-and I may say, in parentheses, believe they would have done so if they had so-but they have not done so and citrus fruits
 since the inception oi the California Fruit Ex-
change. just as sanada there are tens of thousands of acres
aritable for apple culture as the land already in orchard. Any artificial manipulation not prices would only resuit in increased plantings,
nonly the the members of the cooptrative
associations, who hold much of this land, but by

THE FARMER'S ADVOCATE.
others and eventually disaster would come upon
the whole industry What the united fruit growers' associations want is a wider distribution and an increased consumpticn. They propose to benefit themselves
directly by the economies that will be hatron into the selling and shipping of the fruit, and they
will
beneeit themsalve price to consumers, therehy increasing cring the tion. For this purpose there is no agency quite so efficient as the organization of the consumers into co operative buying associations. The sell-
ing associations cannot reach the individuel sumers, and, therefore, until the consumors are
organized organized, they are obliged to market tiarough
middlemen necessarily increase the const ons that still unThey are, therefore, particularly anxious ior the part of the propayanda fund which is being set aside by the selling associations will be used
help in to help in the organization of the consumers. will assist materially. air. The grain growers of the North West the
now now being thoroughly organized, and it is hoped
that qomething can be done this seaso that something can the done this season through
this orgnization. The railway people of Canad have started a large consumers' co-operative scheme. The labor organizations are agitating
to the to the same end, and while all these larger
schemes are being worked, here and thee sinemes are being worked, here and there is be-
ing established a co-operative store in that is proving the efficacy of co-operativ methods.
let me cile a cinate the advantages that may accrue let me cite a single case of what has actuall,
happened, and this will he more effective timn any amount of talking that may be called "theory? The civil servants of Ottawa want strawberries. The fruit growers of St. Catharinas grow strawcourse of trade, a fruit merchant goes among the strawberry growers, buys their fruit and tas the individual growers draw the fruit to the railway
station where it is loaded into a car. The station where it is loaded into a car. The and making a saparate bargain with eash take lime, and, presuming that the buyer started Monlay morning, ho probably could not l.egin to nsual course or thing it would be, and in the


Muriel's Oxford Daisy three-year-old Jersey heifer, frrst at Bath, and first and champion at Oxford finally loaded. Presuming that the car was tive association loaded fucsalay, it would reach Ottawa Wednesfrom the ching, when che fruit would oe carted fruit was put on the auction, it would be told the same day and then delivered to the retailers There would be no special preparation and no chance cor preparation it is quite possible that in the majority of cases, even thoush the
frutt was bought Wednesday, it would not be used until Thursday, and as a matter of fact much of the fruit would remain with the retailer Thurs-
day, and some of it much longer, day, and some of it much longer, the not result
being that. delivered in this way, the fruit three or four days between picking and the consuuner. Even the best arrangements made by
private dealers can only shorten this, perhaps by a single day. sumer and producer were organized. Service Co-pporacive suere organized A Association, with Civil
membership of between 40 , membership of between 400 and 500 , wanted
strawberrizs, strawber ries. The co operative fruit growers of
St. Catharines, three hundred strong, had straw-
berries to sell. The consumers' society in Ottawe in $S$. a a carlot in a day and the frut growers day. Cotharines could pick a carload in half a advance between the consumera in Ottawa and sumers put in thein St. Catharines. Tho conwished, one crate, two or three crates, and the morning that the pieking was to be done for this particular car, a telegraan was sent to Oftawa,
noting that the car would arrive the next at 11 o'clock. The manager of the co-o erative store in Ottawa then notififed each membier that had ordered berries when to expect them, and preparatite, sure made th the way of getting
lrutit cans, sug. arrived at the station, and the fruit was ilelivered and from the car to the home of the consumer, ing berries for consumers in Ottawa were uspicked near St . Catharines the nrecering for boen Tnere were at least two, and probabily three lond. ings and unloadings on wagons saved, and the It
It can be readily seen where the advantage
was. Not only was the fruit in much better cor dition, but it was considerably cheaper the fruit growers got the full price whilh they
nsked for the frut No for the fruit.
No more need be said to show the very 'great advantage of having not only the producers tho consumers as we
A. MCNEILL,
Chief Fruit Divi

## Co-operation of Consumers.

 Comporaratation among Canadian consumers is somparatively new thing, In Englavi, the Society, is supportin the Co-operative Wholesale ation only slighting less than the need of a popution of Canada. To have attained this populaoreration must certainly be some merit in in eooneration. One of the reasons why consumera the wat combined co-operatively in Canada is Steme want of proper co-operative legiqlation.improvemont, however, has been male it is impow possibic, to to ure has been made, and
Stock Conipany ordinary Joint Stock Coumpony Act. with fairly erdinary Joint
sults, by limititactnry sults, by limiting the number of shares that any particular individual
may hold. The Civ The Civil Servants of
Ottawa
heve been oper ating a co-operative ogrocery store for two yorrs, and now have a member:-
ship of nearly five hunship of nearly hyv hun-
dred, though theee aen dred, though thees can
scarcoly al be balled
active members. active members. The
business hag been put upon a thoroughly firm year five per cent. on capital invested, and, in addition, two per cent. Was returned to all cuas-
tomers on their purchasees at the store. This in itself
showing a substantial showing, and indicatos
that co-operative methods will succeed even under the sucveerse even undor
tow exiditions
The chiel difficulty we have experienced
been lack of capital. has ishard to persuade people that a co-operaother a charity concern, some way which ought to go with accept the condition tive society, namely, that each member should put up capitol to finatice his own account. We $\$ 20$ per $\$ 20$ per member, on the average, to finante the
ordinary corner-grocery
business.
That is to
 worth of goods upon the shelves in cricer to
supply his needs, and if cash is the beais supply his needs and if chash is the basis be will
be obliged to put up that amount. Cash, of
course, can te his course, can be hired directly trom the banks, but
trat usualy that usuaily requires that some one becomem butsonally responsible to the bank, and this unually
falls upon the directors. My conclusion is that ialls upon the directors. My conclusion is that it
is hetter to insist upon each member brinding it
 then for borrowing for ordinary purposes.
There is,' however Ture that may be called extraordinary of exppathsay, certain goods cannot be bought and suld to advantage immediately. These woullit require avpecial
inancing.

last the members until the following cune a
least,
Potatries, foples, and several othar com nodities should be bought in quantities at th time they are cheapest and stored. For th;s par should be taken from each member for about $\$ 25$ Thie gutarantes ncte, being payable on demand can be used as collateral for the Association' ate, and will thus provide this emergency capita a consumers' co-operative association work on cash basis, by all means. It will require con siderabl. firmness, but it is the only way in orde c-operation
One of the greatest obstacles in the way o
success has been our expenses. The ordinary sys tem of competitive stores has completely spoiled Canadiuns in the matter of service. Thoy insist upon being served the moment they erizin the
store quite irrespective of the time of day. They never have beent taught that some of day corner grocer will deliver four times a the average ustomer insists, and as they all do this the gracer loses nothing as he simply' charges it up to learn to economize in the matter of service. should
Perhups our greatest difficulty is the iact that there are not encugh of us. A single co-opera-
tive association is in the hands of the wholesaler or four-fiths of the goods and the full eflect of operative wholesale society established that can deal directly. with manufacturers and jobbers.
Indeed, I look forward to the time when Indeed, I look forward to the time when the con-
sumers' co-operative concerns in Canada t. ill be carried even further concerns in Canada r. ill be sale houses, but will not only have its own wholeestablishments. In Great Britain the Co operative Wholesale Society has its tea gardens in Ceyworlu, and manufsctures nearly all the s: theplies for 2,000 socicties
Even under present circumstances, however, our society in Ottawa has made a success of the
grocery business, and is grocery business, and is preparing to introduce
other lines, such ns a hakery and bility, a tailoring vusiness, but we will ruke success of each before venturing into another tent; directly been able to deal, to a certain exto give the St. Catharine fruit We ware able own price for strawberries and yet deliver their could be members at considerably less than they St. Catharines co-operative in dealing with the tion was the extra quality of othtained, and the splendid condition in which we delivered it, resulting from the fact that it was
only 36 hours from the vine before it tributed to our niembers in Ottawa, the was dis Weing done direct from the car to the consumer been able to pay the co-operative apple-selling highest price for their Gravens instance, th deliver them to our mernbers in Ottawa, and ye harrel less than they could get them from other
sources. It is co-mperative fruit-selling nasi, therefore, that the becomirig numerous in Canada, should be are tremely anxious that the consumers should be ex operaticn can be secured. consumers or producers alone will never give per ect results. Both must organize and work to ether to get the full benefits of this great move

Farr:ers of Western Middlesex are pleased with the prospects of growing fruit and vegatables,
and they are co-operating with the comprany- just organized at Gilencoe, known as Th vears this district arms and rracing har its stock anious to try out more intensive farming, believ reatly enhance the land values profitable, bu have been devoting their attention to their orand this year they are expecting to re Fruit Growers' Association, which was Glencoe the past winter. The Flencoe Canning Company the fruits and vegetables of this district.
the present year a factory has been leased inery installed to handle tomatoes, pumpkins factory will be erected crop an up-to-date sanitary cases. The company has a strong financial back-
ing, and will prove a great benefit to the of Mosa and Ekfrid. a great benefit to the Sarmers

## POULTRY

## Grading, Packing and Shipping Poultry

cate" a somewhat lengthy article appeared on "Killing, Dressing and Cooling Poultry," as it Is done at some of the feeding stations in the Year Book. Let us follow the the United States ket, and learn some valuable lessons in handlin the poultry after it is picked, dressed and cooled grading and packin
Having removed the natural heat from the is to grade and pack in suitable contaparation shipment. This pack in suitable containers for and in theoving a temperature of 30 degrees F . for several room the packed boxes may remain No longer does the packer thrust old hroiling chickens, and fowls indisoriminately into the big sugar barrel, pressing down the birds in his endeavor to pack tightly, and so bruising flesh and tearing skins. Such a procedure prevents
good keeping, therefore, the skipper, far from his market. must not only avoid it, but he must use a package that allows the birds to stay in good
condition the maximum length of time. With this end in view, es length of time. With customers to see at a glance the quality of his product, he has adopted wooden boxes, holding
only twelve birds each each bird of the twelve is He also takes care that other eleven, both in weight and quality the When he has a brand on the box and a reputa the skins market, he even matches the color of the skins, that the package may present an at perience and knowledge in grading the birds. and is by no means a simple operation. Each dozen birds as selected are weighed on the track scale, the packer puts them. The boxes are lined with Darchment paper to protect the skins and to pre
vent evaporation, and sometime vent evaporation, and sometimes, especially tong storage is contemplated, each bird Broilers are pla
layer is put in the box; ; roasters and but one The boxed on their sides, and two layers are used t.wenty-four pounds ; roasters and fow fifteen sixty pounds to the box. The ordinary barre of poultry weighs 250 pounds or more. Whe one considers the delicate character of the ski
and flesh of a chicken and the pressure that th poultry in a heavy package exerts upon itself, is easy to see what advantages, in the way o For very lingh-grade poultry the
ing one roasting or two proulting chickens is be ing used to a limited degree. Like all individual wrappers put on at the source of production, it it also insures the bird clean and sound-skinne has not been mauled by prospective customer nor soaked in water by the retailer to fresionen up of dried-out bird, or perhaps to remove the odor on be kept from the season of production to the season of scarcity, as is necessary to feed this The dryting out of the flesh in highly desirable. ture of the cold store is very largely tempera nd, what is even more desirable, the unbroken As the consumer sent hard-frozen to the consumer As the consumer becomes better informed on the packers will mark the cartons with the date of killing, as well as the brand of goods. Thus the during the season when the bird has been killed broilers before December and roasters between September and January-and that they have not The packer of high-class moore than twelve months. willing to put such information on his labels. the warehouseman desines it ; the wholesaler wants such information; but the retailer can not cause the prevailing ignorance would tramer, be the truth into undesirability, and the translate Would go elsewhere to purchase the same grad ment of "strictly fresh and nearly." The consumer does not realize when nearly.". The conlatels on food stuffs that his own ignorance and
perjudice are the greatest bars to the obtaining of his wishe

How stipping boxed poultry
Houltry be made to insure good order of the loved The answer used to be "speed," because arrival? even the best of prevailing conditions, that the
whole course of marketing must neads be the whole course of marketing must needs be rushed.
Now the reply is.
and constantly to finish; refrigeration evenly discourager of those all-pervading and is a grea awake forms of plant life, bacteria ever wide without which we do not have decay. Refriger ted carriers must be used.
Chickens seldom become too cold. It is hea shipped; therefore the against when they ar the railroad to set the refrigerator packer will ask siding at least twenty-four hours before on his pects to load, for no packer who works to ex ing a high temperature, or haults chilled ar hav wagons. Then he will examine the car to in that when the doors are closed the car to see light enters, because that would mean inefficiency
of insulation. He looks also to see pipes are working and the general repair drain and, finally, after the car has been iced good. salted for at least twenty-fiour hours, he takes the temperature about four feet from the takes degrees F ., he may load his chilled birds with safety.
ly as possible to should be done as expeditiousture of the car. Even with prompt to temperais well to have a heavy canvass curtain hung it the door of the car to keep the outside kiir from in the packing room phan still is to have a door platform, and them connect the car and the loading ing room by means of a canvas corridor
properly, if the refrigerator car is well insulated during the haul, the load is just as sure needed the market a thousand miles awry-that is reacu dition as is a carload of cast time-in good con-

## FARM BULLETIN.

Some Amateur Science.
Yesterday I had a chance to do some excel keep from laughing. To moralize properly must be very solemn. He must look wise, so that though I do is saying will seem wise. A have done enough of it to know that its chie ist ratber than in any good it gives to the moral hearers That is why I am sorry I missed my chance to feel wise and self-righteous I get couldn't keep from laughing and that spoiled
everythirg
We were waiting for the horses to finish thei of the boys threw a crust of hreald, when on later. They all made a dive for it and amung the later a nimble Leghorn hen broke out of the to find some swallowed at a gulp, and she had o pieces and swallow it bit, by bit. But to it Half a dozen quiet and leisure was the problem Half a dozen other hens pursued her across the stretched. and a look of vested. Wights nock out she duck $\in d$ under the granary still pressed ter eye,
relentless pursuers. at the other side, A moment later she appeared fashioned novels, "'The villains still pursued ther." her tormentors. across the yard a neck ahead of would would drop out of the race, but ner place The chase disappeared around a fresh plinderler stable only to appear a few seconds later of the shake other side. Try as she would, she ceuld fround signs of her pursuers. Her steps began to show her prize. She started towards the hount to lose her pursuers, fresh ones that had just joined but gase, were just at her shoulder. Her steps be last she had to open was about winded, and at slie had to open her beak to pant. The
fell to the ground where it was new owner was ny one of her pursuers. But immedhad been robbed: "The change than the ore that run continuled. Back they came oner hens, and the passed under it, across the yard, aro granary, stable and hen house, and into yard, aroand the
a new bunch oi henctard where we continued to watch the crust chase. While eaten. At ones, and not a morsel of it bad been flock. had taken part in the every hen in the carried by a long-legged field the crust was being
Andalusian, clited with a long-legged Andalusian, but though
yery turn reayy conser the matter could you
you sossibly to cot a better example of the embarrass
 quired n fortuue, the hen in possession had to not take time to cojoy it. And just like could it was constantly changing hands-or weath, as we could not spend the whole did not learn watching, but at the last glimpse we got the An tase was still running strong. Probably th chase was kept up until roosting time. But
though I missed the chance, to moralize could not keep from laughing at the plight of score a point with poultry may permitted to stand that to dio record laying hens must under plenty of exorcise. From what I saw yesterda ©exercise to the point of falling can be made tion by one crust of bread. $\begin{gathered}\text { falling from exhaus- } \\ \text { Here }\end{gathered}$ lor giving hens exercise that heats the a schal one of giving them their grain in chaff or sus straw on so
that they will have to sol that they. will have to scratch. One durable crust so
would keep a flock in motion for would keep a flock in motion for a whole cust raissed the chance to enion the pleasure of moral-
izing.

Having ventured to give a tip to the scientists about the best methods of exercising hens, I may at well unburdeu my mind of some more scientiic suggestions. I have been watching with in-
terest the wonderful work that is being ot ne in the develcpment of improved strains of p ain by solection. and have been wondering if the scien-
tists are not missiag something. The work of natural selection is going on all around us, and is preducing noticed what vigorous weeds Nature
in spite of our efforts to destroy them. Many weeds serm to be ilirts to destroy
mile' the more it is tho camoIs it not possible that the scientists are coddling the plants they are favoring? They are doing
wonders in the way of producing the corn, wheat, oats; etc., acd and maturing them in
shorter time, but aields of Shorter time, but all these betfer products only
tend to fasten on us more securely the curse on labor that makes us earn our bread in the sweat unusually careful cultivation products require Netting results without Nature seems to aim at Now why should not the cutivation of any kind perinunts along the same line. If they were to
throw handfuls of corn thraw handfuls of corn among, If they were to throughable that a few grains would sruusgle
these were suate ears of corn. If the thest same were selected and sown again und ise the the
duct condtions, a hardier and more vis. in duct conld be secured. The process of sullection vigorous and by constantly choosing the most yielding products until in then wo might produce a strain of corn that would not
only be only be ableoucce a hold train of corn that would not
would chbke them its own with the weeds, but Would choke them out and still give weens, but
yield.
Ry following this simply by following this suggestion they would
develone arding natural selection instead of to make them do their best. artificial conditions like weeds witlout cullivation of that would grow still yeiels wiodt.out cultivation of any kind and
this sumg eood crups. With hired help so scarce scor suffully.
Restion should not be brushed aside too
Best possible for amateur farmers who ware obeying the
impulse to that sciertifice back to the land. I am africaid same defects as our educational sying from the is too much coddling. What I want tem. There producing crops. If we once get that, the firmurncan produce more just as they are being (rged try
the editorial sages of the city papers
TTusting that the scientists will accept papers. Trusting
the spirit in which. it is suggestion in in what it is worlh. it is meant, I offer it for

What glorivus rains we had last week, and what corn seemed tood they did. The oats, barley, and the weeds and thistles at least a foot. And now we have to slart all over again at breaking up pounded down the dust mulch until the ground is cultivating and hirmly packed as it was before the objecting-except, of course, the put no one is caught with a iot of hay down. Before the rain
came the world was hot and dusty, but now every thing is clean and cool and purified. The sky Beems more blue and farther away, and every mer rain life seems betretter worth a living of sum- be than be
fore, and yet if you take it in the right way it is Yore, and yet if you taker it in the right way it is
good enough at any time.

Hay Poor in P. E. Island, Too

Editor of "The Farmer's Advocate":
The weather which was cold and cirv all
through . June, turned warmer whe I hrough Juner turned warmer cold and cirv all
in with some welcome showers. Whaty came ward, and clover that promised so well early ha
not come goorl rains with to expectations. Unless we have the hay crop will be short. Pastures few weeks crops short, but coning better now. Grain
crialy outs, are splendid. Potatoss rrops especially outs, are splendid. Mow. Grain
root crops have got a fine start. big crops have got a fine start, and provnise a
Orchards
Aromise a a bumper yield. Apples have set well as the blooming season wias ary favorable. Cherries promise well, and wumm cheese and butter factories are our co-opstrative business with prices good. chirgt-hall-ofl-June
cheese sold on board cheese sold on board for
price for first sales
12 price for first sales here. Prices of beef cattle have have
been souring the of the best cattie during Junn has, and the price lars per cwt. Eaggs, which have becomeven dolour laryest and niost profitable exports one of ing forward in greater quantabie exports, are go-
years, and the price her cents, per dozon trice here to farmers is about 20 has developed very fart during poultry ber-iness prices have been so rocd. We look for rnuch to greater development in the near future $k s$ a result
of the efforts of the effiorts of our poultry specialist, T. $T$. $A$.
Benson, whoss teaching is lines, of booth production and and uarkealing the marketing of our eggs has been the weak point "egge circles" we hope to wet eggs establishing of ine centres in better condition, commanding


Prof. J. M. Trueman.
 Sur local lepurtment olage, Trur
 tive work by holdang a largo number of mastings, tions in dipping stieep, and principal features. is Another business which is being developed here areas in ourtivation of oysters. We ave lerge
arge beys suitable for the production of the very best oysters. Surveys have claims which arounds, dividing them up inplant them with small oysters, and after some three or four years large returns are expected. tation in the large Canadian cities. expected to develop into an exceedingly proftable bays are orgaizing in farmers living near these care for these oyster beds, expecting plant and vest from them in the near future. Capitalists are also taking hold of the business, and we look Ior the deveiopment of another proftable incuas-
try that will rival, and perhaps surnass booning Black Fox business. . Our people are beginning to find out that they have no need to
leave home to find profitable and leave home to End profitable and safe investment
for their spare cash. A company is on negotiations with a view to establishisrying natmeal mill in Charlottetown of a $300-1 / 3 a r r e l-a$, day capacity, if it can make tatisfact-ry arrangeinents with the city in the matter of exThe proposed investors have matlers. The proposed investors have a very bigh
opinion of the qualily of Island oats for making
meal. Such a mill with the output proposed
would take the larger part of our oat crop that number of termernsor. ho are expecing a up farcas nere in the near fulure. Asrange buy are completed for bringing out several parties to settle on farms, on which options have been
secured by those, wh Our experitnental are promoting the matter. by the addution of about 40 acres, end this year Superintendent Clark has acded poultry and apiary departments, During a recent visit we
noticed all field crops noticed all tield crops and graí plots looking tivation. Somo of the alfalfa plots have in culkilled, and clover is not so good as last year on account of adverse wintor conditions.
WALTER SIMPSON.

## Calgary Summer Show

The 1913. Calgary summer exhibition of live Atock was one of the most successful efer wivlc in visitors totalling 1000 , hirwight in attondnco of an increased exhibit of through the gates, and were well represented in numbers and cuallty and the management of the exhibition by Secro-
tary E. L. Richardson was For the moet pert was excellent.
ceptionally mooppart the horme elasses were oxstrong showing. In the aged stallion a veetion,
John A. Turner, of Calgary, weal frrt and meondid with Rubio and Charming Prine and second exhibitor was first in three-year-olds with Scotion sey, and he wes in werded the and with Lord Merses, and he was awardec the mato champtonstip
on Scottisn Crown, and the female championship
on Lady Bountiful Percherons
exhe shown chiefy
by tour top-notch order. In aged stallions, first place
 champion west Upper Bros.' Rosinine, which wame
first in first in aged mares. Shires were out in larger numbers than usual (six exhibitors competing) and were in excollent quality. In the aged stal) Lynn Laddie, and the same extilio, won with male championship on Leos, the first-prize three year-old horse.
The champion
shaw and Sons ${ }^{\circ}$ firstallion in Belgians was Outshaw and Sons ${ }^{\text {frst-prize aged horse Coesear de }}$ Machelen, and the champion Sufoik Punch atal swas Baker and Hunter's Trimiey prito sta numbers as nsual, probably owing to several in the large herds being held back for the Doral of Fxhibition. Dairy classes were never stronger in bumbers and quality. The champion Shorthorn Baron Ras Bryce Wright's first-prize aged bull champion fremale. Holsteins made a splendid showing, eclipsing any previous exhibition. The champion bull was
Michener Bros. and the same exhibitors won the female champion ship with their first-prize anged cow Hilda Wayne
Johanna Less Johanna Lass. The Hine up in Ayrshires wayne strong as the Hotsteins, Rowland Ayshires was as
ton won many howinpionship for agy honors, including first and eham-
first first for twoyear-old, Woodland's Prince Boys,
Eurfe, first on Admiral Beau dr Eurfe, first on aged cow, Ravendale Countege
first on two-year-old first on two-year-old heiler, Lakenide Clara, frat

## Hay a Failure in Huron.

last spring it was hay crop upon above another which reports was, hay, yet there is no other of sections there are numbers of very fair for some speaking generally, hay hay is of very fair fight, fors, but
localities and in varioue localities almost a failure. In the excellent furm ing county of Huron, conditions seem particularm-
bad. Thos. McMillan, of Seatorth, report to the Farmer's Advocate, and writes this "In this locality, in many instances, hay is not hali a crop. I know field after field where not is not
clover was so frozen in unfavorable wo frozen in the spring that wilth the almost none, and scarcely covers the knite in grown
ting. ting. Some old meadows too, are scarcely worth
the cutting. Fall whent age, cutting. Fall wheat looks to be a fair aver-
ane recent hot weather ha its, ripening that hot weather has so hastened " Spring grains are a fair crop annot if the weather holds suitahle it. may yield an average
crop of grain,., The Minister of Agriculture for the Dominion branch of his department to of the Live Stock tunity presents itself, with the leading breederpor ine various provinces in order to secure such hformation as will enable him to act upon the tion representing the Live Stock by the delegation regarding a national live stock show. minister has taken this means of acouainting him self with the best judgiment of the principal. live.

## Markets. <br> Toronto.

 nevievi of Lasp weri's markits At Wast Toronto, on Monday, July 14,




 Whered.


|  | city. | Union. |  |
| :---: | :---: | :---: | :---: |
|  | ${ }_{218}^{18}$ | ${ }_{8,781}^{975}$ | ${ }_{8,971}^{298}$ |
| 51- | ${ }_{1}^{1189}$ | ${ }_{4}^{4.610}$ |  |
|  | 889 | ${ }_{4}$ | 3,885 |

The total roopipts of ive atock at the Two markote tor the corresponaing week | Cars |
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|  | Sity. | Union. |  |
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| Hoge | ${ }_{\text {2, } 651}^{1,124}$ | ${ }_{\substack{2,4288}}^{\text {a }}$ | ${ }_{\text {a }}^{\substack{\text { a,4212 } \\ 6,971}}$ |
| \%om | (1,788 |  |  |
|  |  | ${ }_{290}^{497}$ | 300 |




 orremponding Hoek ot 1912 .

 th the cattio was not tas good tat oro the



 creat claseses of ilvo stock, gepecill) yor


 o 87.10.
Butcher
rom $\$ 6.75$ to $\$ 7$. medium, $\$ 6.20$ to $\$ 6.45$; common, $\$ 5.25$ o $\$ 6.10$; inferior, $\$ 4.50$ to $\$ 5$; good to

 canner
$\$ 5.60$
$\$ 5.50$.
Stockers and Feeders.-The demand
 bout 25c. por ovt. iower. stockerere, 45 4 Mulkers and springera-The Uutlo moro activity on the marrat was for





 calvees. 8.75 to the.50.

 culb, 8 oto 87 per curt.
Hogs. - The
bulk of of the
50.35 ted and matored, and 39 to on chare care, and 80.50 to 80.60 weighod

 Hotroa. -Trad in horass was the dull-



## Montreal.

| $50 ;$ | Montreal. |
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|  | Live Stock.-There was little |
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| c., Mankitoba | were letaded |
|  | tem good calv |
|  | Lop |
| cina | ${ }_{\text {a }}^{\substack{\text { in good dem } \\ \text { at } 10 \text { coc. per }}}$ |
| ario, ninety | $t$ Horese.-Heavy - |
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| Pox |  |
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| No. 1 inpeoted sters and cows, 13 c |  |
|  | d |
| 18c.; calf skins, per lb., 16c.; king and pelts, 20 c . to 45 c .; sheep |  |
|  |  |
|  |  |
| wool |  |
|  |  |
| COUNTRY PR | way, and next quallity at 1c. less, while No. 1 candled were 23 c . to 24 c . per |
|  |  |
|  | so aterive |
| to 24 c ; store lots, 20 c . to 21 c Cheese. -New, 14 c . to 14 c c. | Finest |
|  | week. Fines 25 fic . to 26 c |
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| tar have not been equal to other years |  |
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| per dozen put |  |
|  | No. 2, $\$ 12.50$ to $\$ 1$ Hides.-Prices we |
|  |  |
|  |  |
| Buffalo. |  |
| Cattle,-Prime steers, $\$ 8.75$ to $\$ 9.10$; shipping, $\$ 8$ to $\$ 8.65$ : butchers', $\$ 7$ to |  |
|  |  |
|  | Chicago |
| fresh cows and springers |  |
| Veall. 56 to 81.17 | (ters. |
|  |  |
|  |  |
| Lembs. Lambe |  |
|  |  |
|  |  |

## Cheese Markets



 Ont., 13tc.; Ottawa, Ont., 13c.; Kernall, Ont., 13tc.; Ottawa, Ont., 13c.; Kempt-
ville, Ont., no sales; bidding 13 ct..; Perth
Ont. 12sc.; Belleville Ont., 122 c c.; Bellevilhe, Ont., 131 1-16c. to
13 cc .; St. Hyacinthe, Que. 13 cc .; St. Hyacinthe, Que., $12 \mathrm{frc}$. , butter
24 fc .; London, Ont., 12c. to 12 zc c.; Cow


## Questions and Answers.

veterinary.
Wounds,
Two head of cattle were Injured on the One had bruised hock and
severed tendons, and the foot turned when he put weight on the limb. The ther had cut on right hind leg, between a piece of bone. We treated with carbolic acid, and the wounds are all clean ow. What would be best to use to J. F. McK.
Ans.-Keep as quiet as possible. Kepp Ans.-Keep as quiet as possible. Keep
wounds clean, and dress three times daily with carbolic acid 1 part, water 24
parts. If there be any more pieces
24 parts. If there be any more pieces of
detached bone they- should be removed, Calf Chews Cud and Grinds Teeth
Calp three months old chews its cud nearly all the time, and grinds its teeth.
It is fed on skimmed milk, and will not eat hay or grass.
Ans.-You must be mistaken. ab. E. not eating hay or grass. If it took
only milk it would not need to chew its It is no the would be nothing to chew. tion. Give it a purgative of 8 indigesraw linseed oil. Give new milk if pos-
sible, but whatever you give to drink sible, but whatever you give to drink,
add to it onefifth of its bulk of lime water. Mix equal parts of sulphate of iron, gentian, ginger, and nux vomica.
and give it a small teaspoonful three
times daily in a little cold water as a Lame,Mare.
Mare is lame in her shoulder. She
goes lame when working is all right when orking or driving, but
is all right. is all right. The trouble is in the
muscles of the shoulder.
J. S. M. Ans.-The slight symptoms given rather that it is shoulder trouble. The parts should be blistered. Get a blister made
of 2 drams each of biniodide of mercury end cams each of biniodide of mercury
entharides, mixed with
2 ounces vaseline. Clip the hair off the parts.
Tie so that she cannot bite them. Rub Tie so that she cannot bite them. Rub
well once daily with the blister for two days, and on the third day apply sweet Oil every day until the scale comes offall.
and then tie up and blister and then tie up and blister again, and
after this blister once monthly as as necessary. It would be wise to have her examined by a veterinarian. as, if
the trouble be in the foot the coronet the trouble be in the foot the coronet
should be blistered instead of the shoul.

## Trade Topic

A Folding bath tub.-The luxury of a bath after a hot day's work in mow
and field, or over the kitchon stove something one can never fully appreciate until it has been experienced. Every not every home is equipped with a fitted bailh-room and sewage connections. Many offered for delivery on trial folding tub Ontario for 87.50 , by the Folding Bath advertisement in this issue, and get in ouch with the company, mentioning

## Gossip.

 Good horses are in demand. Perch-erons are looked upon with great favor
by draft - horse men. A carload of choice breeding Percheron mares are ad
vertised in this issue by importer and dealer, Windsor, Ont. He also has a few prizewinding stallions of
the highest order - chamin the highest order - champions among
them. Don't fail to see this advertise


## Barley

Up in the barley a wind begen
Over their levels of gold it ran
Orear their
Plunged into them,
nd furrowed through them
foamy channels the height of a man.
Doep in their dark it dipped and shined, en not knowing seal as water flowed the wind.

I was a child, and it seemed to me
$s$ it was ever
The way of a river,
somewhere a well-he oured its life and anks the unbodied strea ourrents nameleas,
Clave me, too, with rustle and gleam.
If I come back to the fields to-day The sun to ositt
The wind to lift it it
The barley floods to
For here would I lie on the long-loved
Soeing one sight and hearing one sound, No strife to wake me,
No doom o'ertake me
In that sweet horvest happily drowned.
Giving the Ghild a Fair
Chance.
What the Women of North Middlesex Ha
of Schools.
By M. C. Dawso
The Greeks educated the body. Phys-
ical beauty was their ideal.
times we have educated the mind. Mental
effliency has been tendency has been our ideal. But the
tendeny today is to educate both mind
and body, to make that ideal tion, A. Asound mind that ideal combina-
For both mind mond mond body will be neoder For both mind and body will be needed day becomes more keen, and it is begin-
ning to be regarded as a crime to send the child into the fight physically unnit. ning women of our Institutes are beginkeen interest in all that pertains to
child welfere chind welfare, mentally, $\begin{aligned} & \text { morally, and } \\ & \text { physically } \\ & \text { bese these three } \\ & \text { be } \\ & \text { separated, because } \\ & \text { things cannot } \\ & \text { depend }\end{aligned}$ be separated, because they depend
so much oneach other, and in coring
or the physical welfare we are doing great deal to make the child mentally The women of North Middlesex hav
been for some time interested work which cane be done by medicali in-
spection of schools, and an experiment was recently tried tried and an experiment
in Parkhill, Alise
Craig, and Sylvan, which will be be fin Craig, and Sylvan, which will be of in-
terest to Institute
For
women everywhere.
 branch and talked the matter upe and
Dr. Helen MccMurchy
was procured end the annual meeting and address the delegates Anter that, matters were at standstill for a year or more. This
spring, Dr, Struthers, Chies Medical In-
peetor of Toronto cane pector of Toronto came to Parknill and
dderesed a meeting composed or iowns-
deople and teachers and trustees and

 adenoids The open mouth, the dull
eges, the protruding upper teeth, or the

\section*{| tr |
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an proclaimed
 bay was, "What do you think that boy
would take for that improvement in his
apeanance ? spearanale? Would he take one thou-
sand dollars ?", And then he would
go on to go on to ask, "it two boys came to
you seekking a position, which would you
engage you seeking a position, which woumd you
engage
noids or the the tho sulfering from ado engage? The boy suffering from ade
noids or the other, $\begin{aligned} & \text { udging by ap- } \\ & \text { pearance, you whuld choose the other }\end{aligned}$ Before Dr. Struthers left that evening,
a committee composed of men and a committee composed of men and
women was appointed to go on with
to Nomen was appointed to go on with
this works and shool nurse, Miss Sarah
Brickl, of Toronto Brict, of Toronto, was procured, througg
Dr struthers, for ten days.
The mone
or. the or the exppriment was raised by
house-to-house cenvass. Small contribu
tions of ten cents per tell hous-to-house canvass. Small contribu
tions of ten cents per tamily were ace cepted. The printing was donated, and
the medical men the medical men gave their services free
The results of the examination somewhat startling. somow there were 178 pupils examined
osh Ot these, 58 were defectiviv. TThere were
26 cases of adenoids; 28 cases, of defoc 26 cases of adenoids; 28 cases, of defec
tive vision; 27 cases of carious teet (very bed cases); two cases of anemia, and several cases of enlarged tonsilis.
of course in this frst examination hen Ot course, in this frrst examination heart
and and lungs were not examined. That
would come later if it were though necessary. For such a thorough examination the child would probably be sen
to the family physician. o the tamily physician.

 Pective in somee way. The teeth in the
Hig School were well High School were wel attended to. In
the Separate Shool the results were
similar. about fitty per cent. being de
 per cent. defective, and at Sylvan,
rural school, the percentage was ninety. Out of twenty pupils examined there, eighteen were defective. In this rural achoot this teeth were badly neglected, This is the first experiment of this kind outside of the cities, and the results show that the best asset of the nation,
the children, need some attention the children, neod some attention so that
they may start liie under the best con ditions. But the experiment also brought out the lact that a small town or a rural school cannot afford to do this
work alone. A school nurse would cost about $\$ 750$ a year, and few of our rural
or town teachers are that well paid a
 salary at once. But a nurse could at-
tend to two or thre emanll towns, or to
a mhole to Whole townhhip, and in that way the
expense on each school section would be very small. There is a proposition under
Consideration by the Ontario Government to just have one school board for a
 a nurse could be employed for a town-
ship very easily, and the cost dis
tributed The only way in which we can have
medical inspection of our schools is by
 All those interested in the work feel that
and the only way to get the Govern and the only way to get the Govern-
ment to take ep the work is by educative measures. In sumfient trials of the kind outlined above were carried out, if
would create sumfient demand for such lepislation to justify the Government in
adopting such a course. And all women, adopting such a course. And all women,
at least. will agree that it is time for
our Government to do for the children our Government to do for the children
what it has for many years been doing what it has for many years been doing
for the pirs and cattle and live stock for the pigs and cattle and live stock
on the farm.
In North Middieser, they expect to
ten dollars, and there will be contribute the nurse visits. each Arter the inspection dalk with the mother about the child There is no compulsion used, nor can the child but the parent is urged to give remedied as soon as possible. the defect spection and one visit from the nurse but not the inspays have the desired effect, nd the nurse visits the tinues regularly again, the results are seen. Few parent are so callous to their children's wellare that they will not make some effort to

The Duty à Mother Owes to Herself
[A paper read by Mrs. Norman Ander branch of the Women's Institute.]
"We hear so much these days about motherhood," and "the mother," that the mere fact of being a mother exalte in some peculiar way over our sisters,
and that, because wo are mothers, we cust of necessity possess some or all of cators love to ascribe to the mother. As a matter of fact, the narrow-mindgoing to be changed miraculously is mot
fact that she seventh child in her arms. Neither io large-souled, lovable woman, going to maker because no child will ever call But the
Duty a Mother Owes to Herself." "TWe all know that the majority of women
fall very far short of duty to themselves, but the reasons this, if looked at below the surface, may not take on such high-sounding nemee es sorvice, seli-sacrince, devotion, etc.
For instance, when a mother wears herself out in an endless waiting upon her family, pressing the girls' ribbons
and skirts, packing up their ing a little rip in the glove or shirt waist,-when she slips out quitily, and
does the little chores the boys posed to have done so that father will not scold them,-when - she stops her work many times a day to help the head
of the house locate a mislaid hammer find a nail, bolt, or screw, of a certain size and shape,-when she wears, season after season, the same old hat or gown,
so that Mary may have a coveted of jewelry, or Johnny a new set of har ness-then let her beware of deluding herselp into thinking that she is in this way laying up treasure in heaven or acquir is far more sure to be laying up for herself is a nervous and irritable old
age. Now, if any or all of these things had
only to be done occasionally only to be done occasionally owing to
unusual circumstances, they would mere trifles, and not worth considering yut when morning after morning and year after year of the children's school-
life see the mother from early morning until 8.30, going through early morning this same nervous strain, is it any wonder that alone, heaves a sigh of relief when left day's work? Now, surely this is not the service the
Master means mothers to perform, for wo must see that neither our families nor
lhe world at large is bettered in any of nevous energy. certain duties
But there are certain
to make life more pleasant for both her the forst place
her own individuality she must not loee Who has not known bright young girila ho have become dull and tiresome ended with the conitarsation of their chan andrand sayings and doings, and a list of thele measles ? Now, in order to avoid the nar-ow
outlook that we are almost sure to Prom staying at home constantly, wo
must make all nust make an effort, great as it seem, to get away from our family and
the household cares for at feast oni day the household cares for at feast one day
at a time as often as we can. For thie reason it is well to keep in touch with
the friends of our girlhood, especieny it
 ings. No friends we make in later lite can ever mean to us what those do
have shared our secrots and hopes, understand us through and throughi. We spend a day together, the yeare stlp and bright, and ready to talke up our matter if we do find ashes on the hourth, the floor uniswept, and the dilish - oloth
rolled into a greasy little ball? Theo can soon be put to rights, and our hortzon has been widened and our life bright-
ened by the little chenge. It is the mother's duty, too, not to of her children in the evenings. I havo
known mothers who at once repaired to known mothers who at once repaired to
the kitchen or some other remote corner of the house when young men called on their daughters. Now, by so doling, ahe not only misses what is perhaps her only
opportunity of becoming acquainted with opportunity of becoming aequainted with
these young men, but, what is equill important, she fails to see her daughter revealed in an entirely new light.
However, in this
However, in this as in other things,
there is a happy medium, for heard of mournful cases where the mothor's too persistent presence kept her Again she owes it to of apinsterhood, of any little tricks of manner, or hall hat irritate her children, and she should them in good part when they tell her
$\qquad$ abil, when gitting whose father had a intently, of bending, back and pulling out his fingers one after the other until they geve a little cracking noise as if they
were out of joint. Now, this father be longed to the old sechool, and would have considered. it very disrespectful if his deughter had asked him to overcome
this habit, so she had to sit in Sunday after Sunday, from childhoood to young womanhood, listening always for should our childrentle noise. Now, why right to improve our manners or speech as we have theirs? Those children were brought into this world without any
chooce in the matter of parents, reladisappointment some proved! Now, while they find themalves, all at once, in possession of two parents. Your grandparents, and any num
ber of aunts and uncles, all of whom seem to claim more or less right to rein turn, must not evem hint that they, in turn, must not even hint that they faults; and, in fact, not at all the ones Aey would have chosen. Again, the mother owes it to herselh plans for making the readily her little venient or beautiful. Men are very apt the house, however trining, is change in Whether it is a room to be papered, a
coats and caps driven in an unaccuschange, the man of the house ingtinctive ty says, "Let well enough alone." Now, the mother should go on calmly and
good-naturedly with her plans-not asking any advice-and before long the husshe does
Lastly, mothers should not be so overborne by the practical affairs of life that
they allow. sentiment to die in their hearts, and eventiment begin to doubt that it ever ex istêd.
You heard,
You heard, in a lecture given here some time ago, that love is the part of mar-
riage that lasts the least length of time. Now, I am sure you wives will not agree with that, and if girls think that any
business arrangement, however satisfacbusiness arrangement, however satisfac-
tory it may be financially, will take the place of love, they are making a sad and bitter mistake. Surely the novelbeen in the wrong :
been in the wrong !
The difference betw
heroines in books, and the heroes and against every day, is that the writer Iftion can lay bare all the inner lite of around characters, while the best people all which us have many shuttered windows which only immortality may unveil. mearer as parental love that we must rous to go out into homes of their own, and then husband and wife will again be left alone as at the first. That loneliness, and the sense of being no longer
necessary to, her children, will be bitter enough in any case, but surely happiness
will come again to the Will come again to the mother whose
husband of all the years now underhusband of all the years now under-
stands the heart-ache, and, taking her in his arms, comforts her with a tenderness, born of all the crises they have met together - such tenderness as the
young lover did not or could not eam o

## Hope's Quiet Hour.

A Cup of Cold Water. Whosoever shall give to drink unto one
of these little ones a cup of cold water only in the name of a disciple, verily I say unto you, he shall in no wise lose

When the disciples asked their Master, "Who is the greatest in the kingdom o heaven?" He called a little child to Him
and explained that a man who desire and explained that a man. who desired
to be great in His kingdom must be
humble as a little child. Then He said something which is even more astonish ing to us who adore Him as Divine
"Whoso shall receive one such little child in My Name receiveth Me." What a marvellous opportunity is knocking at
our doors-the opportunity of receiving our doors-the opportunity of receiving
as a Guest the King of all the universe. as a Guest the King of all the universe
"When opportunity knocks, do not wait for it to break in your door." I I have again the pleasure of putting before you
the report of the ,"Toronto Children's the report of the ", "Toronto Children's
Fresh Air Mission." You may not be
able to open your doors to welcome the able to open your doors to welcome the
King, in the person of one of His little ones, but at least you can help with the
work which is so near His heart. Last work which is so near His heart. Last
year donations were sent in to the treas-
 cents to $\$ 37$. "God is not unrighteou.
to forget your work and labor of love. to forget your work and labor of love,
which ye have shewed toward His Name.
in that ye have ministered to the saints. in that' ye have ministered to the saint.
and do minister. He treasures gifts. and do minister. He treasures gifts
love, even though they may be only a
small as a cup of cold small as a cup of cold water.
riches of all the earth are His, and $H$ does not need our gifts-but we need
give. Gifts of love make the give. Gifts of love make the giver rich,
and one who grasps all he can get for and one who grasps al he can growing steadily pourer and
himself is grow
poorer in soul. The gift of a cup of poorer in soul. The gift of a cup
cold water-or of rich, country milk-t
one of Christ's one of Christ's little ones, brings
swift reward in increased nobility One of the secret sins which can
deadly mischief in a soul is the love deadly mischief in a soul is the love of
money. This may be the ruling passion in a heart, and yet may be unsuspecter dangerous foe which seeks to coil itself around a heart like a sna smotherin

There are many ways of giving a cup and one of these ways is open belore you every summer - see the Report given be-
$\qquad$
"There are ways more than one of servIn a world full of sadness and sin, And all will aflord an ample reward, When the harvest is gathered in.

$$
\begin{aligned}
& \text { "What we do for God, be it small or } \\
& \text { great, } \\
& \text { Is never entirely in vain; } \\
& \text { The kingdom's fine freight is not meas- } \\
& \text { ured by weight, } \\
& \text { But the passion of love it cost." }
\end{aligned}
$$

But the passion of love it cost."

Toronto Childrens' Fresh
Air Mission
SUPERINTENDENT'S REPORT. Although there are many churches and
societies giving thoughtful attention to societies giving thoughtful attention to
needy children in our city, yet we find there are many who are overlooked, and it was especially along this line that our
interests were centered during the of 1912 .
Some 260 children participated in the Fresh Air Outings, including children and mothers from the Creche-Miss Barnham'
Report tells, of the benefit and blessing received.
Can you imagine anything more delight Ful and helpful than the Weston Camp ?
Mr. Bright, of Wyclifhe College, watched Mr. Bright, of Wycliffe College, Watched
over, cared for and "ministered"" to the 40 lads, and best of all was the assurance we had, that some of them learned
to know and trust the loving saviour to know and trust the loving Saviour.
Mrs. C. P. Smith, Secretary of the Boys' Home, writes that they have 150 boys who need a Fresh Air Outing, and
are looking to our mission to assist them. looking to our mission to assist We are grateful indeed to the many
friends who, for years, have had a definite interest in the work, and trust that our needy children will be remembered
again this summer.
Proverbs 21: 13 again this summer. Proverbs $21: 13$, ${ }^{\text {Whoso stoppeth his ears at the cry of }}$, the poor, he also shall cry himself, but
shall not be heard." shall not be heard."
The railways have done their nobly, teilways have done their part
cific cific, Canadian Northern, and Michigan
Central, are deserving Central, are deserving of better things
than are often laid at their door. than are often laid at their door.
Mr. Martin Love, 93 Castle Frank

out a solitary friend. What wonder, companionship of the one that abiding

## Mending Basket.

The Great Reason Why Women Should Vote. While some people in arguing againot woman suffrage say that there are to many voters already, I am sure that no
sensible people would be willing to backward to the old-time forne of gove ernment, absolute monarchy. Every revolution and change brings the world
closer to responsible closer to responsible governmont. There
are no characters in Canadian admired so much as Hincks, Baldwing, Lafontaine and the others who labored with tham in the struggle for our
present form of socalled responsible government. Can any parson say that the Canadian people are the worse for having taken this irretraceable step of break-
ing from the old form of government. ing from the old form of government? us that the vote is an expedient, not a right, or, in other words, a plan of government that we have been using
with some degree of success, but so far as a person's right to a voice in the government is concerned, there is no such thing. I cannot now recollect
the name of such a sage, but I can call the name of such a sage, but I can call
to memory the name of Theodore Roosevelt who says, "The people have a right to govern themselves." If it is not the
people's right to govern themselves, people's right to govern themselves,
whose right is it?
Have one-hal? whose right is it? Have onehalf of
the people the right to govern two halves of the people?
It is said that men and women lead
different lives, men do the work dinerent lives, men do the work and
create the property values, consequently they have a right to rule the nation and protect such values. We all know
that the greatness or a that the greatness or a nation depends
not upon property values, but upon lite not upon property values, but upon life
values. Women create the life values, and I consider this sufficient reason why they have a better right to the vote
than men have. The female is the sex which must walk through the valley of death in order to bring a new life into existence. Being
the creator of that life, she the creator of that life, she appreciates
its value, realizes its possibilities, its value, realizes its possibilities, and
fears its besetting dangers more than
anyone else can. Where is the justice

## JULY 17, 1913

of a law which compels her to throw no voice?
The entire civilized world was shocked by the Titanic dieaster, but the liquor
traffic causes a similar and traffic causes a similar and infinitely
worse disaster in the United Steltes worse dasaster in the United States
overy day, yet voters permit that traffic

It is estimated that sixty thousend mothers have created one life each to
supply the white slave trafic supply the white slave trafic of to-day
in the same country, yet in spite of
this terrible sacrifice, voters tell this terrible sacrifics, voters tell us
that they cannot legislate this damnable traffic out of existence. Similar condi-
tions exist in our own country, which, being smaller in population than the United States, does not pressnt figures so appalling, howev Is it not yet time to, at least, give the women a chance to protect that
which they have created?
H. L.
A LAWYER'S OPINION.
[While the question of woman suffrage Is upon the tapis, the following from
The Independent (N. Y.) may be of in-
terest to our readers. The writer, Mr terest to our readers. The writer, $\mathrm{M}_{\mathrm{r}}$
Alfred Hayes, is a lawyer of experience $\mathrm{He}^{6}$ practiced at. the bar in New York City for nine years, taught law in
Columbia University for five, and since 1907 has been professor of law in Cor"The duty of voting should not be thrust upon women until the majority
of them desire it." of them desire it." This argument has
-a democratic sound, and is often heard. -a democratic sound, and is often heard. sire suffrage is not known. Many wo lerent. On the other many are indif lerent.
petitions presen other hand, monste petitions presented for suffrage and
great parades in its interest show widespread demand among women of all
classes and in all sections. classes and in all sections.
A sort of official referendum
tain the views of women has bescinsuggested. Such a vote would have no
legal effect, legal effect, but would be merely advis-
ory. Whatever is the result ory. Whatever is the result the do
cision will rest with the men, and they would still be unable to wash their hands of responsibility. What would be
the relevancy of such Would it be of controlling weight? The ract of preponderant feminine desire that the right in so far as it showed ased. and that its nranchise would be and imperative that the disenfranchised ence, were clearly conscious that unrest and irritation would result
from its denial. But this factor would remain relative y insignificant, and the heart of the problem still would be: (1) Do women and the sufrage for their development (2) Does society need the votes of wo-
men for its welfare? The test is not hoclination but need. It is a strange an ornament to be put on or off as the If not one woman asked for or even lesired the ballot. it would still be the
duty of the responsible authorities ing the national destiny in their hands, give the ballot if woman would be progress hastened by drawiereby, and reat reservoir of capacity and moral oower possest by hosts of noble women Womon need suffrage because of three Womon need suffrage because of three
great social changes: (1) The industrial
revolution as a result of which many millions of women no longer do their outside of it. (2) The feminist move ment for the full development of woman.
No longer content to minister solely to day realizes than, woman or tolor the full development of her individur
ality. She as well the highest oducation and a man career. (3) ity. TInrestrained of competition no longe
determines conditions of labor vidual freedom is curbed at every point a great meeting sometime ago to pro-
mote state pensions for widows the dispointenf out, so private charity were
philamentery even the field of Politics is not a trival game. It is
and fires the spirit. Politics furnishes paper, and turned to the Beaver Circle good works. Religion gives motive
power, politics social service. It. is almost as reasor- delighted to find such an interesting share in deny to woman the right to share in religious activity as to forbid
her to co-operate with her fellows in a
form of social vitality can be most where her spiritual Will American men, better qualified than women, if experience means any-
thing, to understand tho enfranchisement to any class, stance of
idle, until idle, until women themselves, stand by
have decided this problem. have decided this problem which puts to
a hard test their political sagacity ?

## TheBeaverCircle

OUR SENIOR BEAVERS

## [For all pupils from Senior Third to Continuation Classes, inclusive.]

## Some More Prize Letters

## [Subject: "The wild Flowers I Lik

Violet, wild geranium, Twin Dear Puck Leat May apple.

## Dear Puck and Beavers,-Year after year '"The Farmer's Advocate" has been

coming into our home, with its bages
full of knowledge for one and all. pages

At the Beach.
Down on the beach where the water is out whare the gay little whitecaps are Babies and children at play, $\begin{gathered}\text { dancing, } \\ \text { Out } \\ \text { where the sky stretches down, }\end{gathered}$ Down on the beach where the water is out where you see but the sky and the Who roaming- And never a sign of a town.
Watching the waves as they roll from Down on the beach where the water the ocean.
Priching up pebbles and shells, $\begin{gathered}\text { Wading as far ar as they dare, }\end{gathered}$ Waves' breasking,
Dikeing their mimature wells.
Never a bit do they care Here comus a war., whe it come bown on the beach where the water is rolling,
Happy and car

white flower. It has long stems which breaze. It does not last long in water however, as the not last long in water Another plant I tike is the well-know May apple. Go into almost any wood early in the spring, and you will see what looks liks little green umbrellas coming up very thickly. In a week o
so these will have grown from two three feet high. with large broad leaves Peep under the leaves and you will see ing from the surrounding world. It is a creamy-white. rather round flower, with its face always bent down. I
must be a shadeloving flower for it grows under an nmbrella, and does not look toward the sun at all.
There are lots of wild flowers that
have never soen, for, although have never seen, for, although we have
quite a variety in the woods, there ara a great many miseing These, then, ara the ones I love beot of what I have seen and know. cesishing the Beaver Circle every suc-
MAGGIE BELL. -naela. Ont., R.
CRINKLE ROOT, PAINTEED TRILLIUM, Dear Pucly and Beavers,-The crinkl root grows along the banks of a river
or any running stream, and somotimes in marshy places with its long otem from six to twelve inches high, and its two leaves (made up of three small leaflets) opposite each other, about one or
two inches from the cluster of from five eleven or twelve blossoms.
Each blossom has four white potals resembling a crose in shape, and has pistil in the centre. The five sepale are brownish yellow. long, and slender in shape.
The root is long and crinlaly (thîreby
getting its name) white It is edible and eaten at lunches, and plicnics in the wonde. This plant blooms only in May.
The painted moist woods. from the middile in rioh, to the first of June. Its thick April growing from ahout six to fourtoen inchee long, gives place to a elender
stem above the whorl of three broed, pointed, deeply-veined leaves, and leade
to a dull, purplish-red flower with about to a dull, purplish-red flower, with abou
six dusky yellow stamens. six duiky yellow stamens.
The three sepals are bright
pointed, and longer than the petals, (The petals are about an inch long). This trillium has a disagreeable odor which the bees do not like, and they
seldom go near it.
Ite sto Ite sister, the pure, waxy, white trillium has larger flowers, longer attems
and no odor, making it more beautiful than the painted trillium.
The blue violet grows everywhere-in
lanes, roadsides, marshes, lanes, roadsides, marshes, woorywhere-in
banks. banks. On the roadside the violete are
small, pale blue, and the learea green. Along the croek, in the sunt,
they grow larger and deeper they grow larger and deeper in color.
but in shady, wet places, they are far but in shady, wet placees,
larger and more beautiful.
larger and more beautiful.
The flowers have five, petals. above, one at each side, and one below; they are narrow and quite long. The upper petals have, a white, mosey look-
ing stuff on them, ing stuff on them. in the opening of a
cup-like interior. The bottom petal is shaded to white also, and striped with tiny, black strips. The sepals art with slander, and green. The five or six
artamens bright orange yellow,
though seldom seen unless the fower taken apart, as they are concealed in the fower in the cup-like interior heart-shaped of the violet are almost yellowish-green. The violets bloom from
the first of May to the midto There are two kindse middle of June like these, the yellow violet, and the white violet. The yellow are very bright petals than the blue. The whit and smaller, the petals rounder white the wer sweetly scented. AMY V. SPEIRs.
New Flos, Ont Dear Puck indian turnip.
Dear Puck and Beavers, -I noticed the
announcement of a new compotition your issue of May new compotition in
cided to compo I have de ided to compete. The Jack-in-tlie-pulpit or Indian

## 

inion, one of the most beautiful
that cen can be found
 stencilledine the whole plant is beautifully stencilled-the canopy of the pulpit of a bulb, and is cream coloredi with brown hualk covering it. The plant. gots
the name Indian turnip from the root. No doubt tho Thdianh usod to look to
 Tho stalk has numerous white rootliot

 otelk about three inches olong, which
 apmo emecting which covers the joint on mulpit. It has no perfume. The taver comoont over Juck no doubt to the to the

 the pistil. The bottoternd the baso of The fower is white.
 an home from tocher ono night on my LINDSAY Mclemyan Guetph, Ont., R. (Ago No. ${ }^{12}$. Clase ${ }^{(1)}$ violemts.
Dear Beivivers, -When 1 sav what the
new compettion wee borty competition when to could hardly lore another, as thay all have their use matter what mood you may be in. IR bo a vary bloak place.
This morning I was takling a walk Watching old mother nature unfold walk groen blanket for its now pring dress, ing in a feace a corner. They ware and beautiful; I wondered what man could want more beautiful. A little further though very pretty they did not come up to the violets in their form or emell, so after all I think the violet is the my wense of smell and sight they To Othere may have different : it depends on one's own liking. But a fower is fades, dies, and is no more. Alas everything, has its end, but I hope Ala Beaver Cifcle will stay to the las
minute. minute.
Guelph, R. BOTGLAS CLEGHORN.

Sphing beatties
IES. DOG-TOOTH
Dear Puck and Beavers,-Don't you all do. And with what joy and anticipa tion do we wait for the first flower to
come out? This spring I was walking along the roadsidf. closely examining
along the fences to find the frimt flower What was my joy, then, to soe flive six of those pretty little pink spring
beauties? I gathered them and walked on. They are just like that little on I drew. Further on I spied something yellow. What was it but one of those
pretty golden dog-tooth violets? To sure I was glad, indved, to get it. Now, when I took it to school many find any at all Next morning as I came along I found
a whole liot of those little sprin a whole liot of those little spring
beauties. They are white with bluish
pink marks on pink marks on them. The buds are all
pink. The leaves are dark There are one or two open flowers on or
each plant, and a lot of buds further each plant, and a lot of buds further
down. The next morning, I $I$ with my
little companion mot down. The next morning, I, with my
litte companion Edna Wood, found a
lot of pretty violet buds. It was Friday. On Mondlay we lound severa opened violets, and none of the other
children had fountil any. Aren't those little
violets. violets so pretty? On Tuesday I was
away, and on Wednesday we found
several golden violets Con we got some white ones. Now you can
mps. It is diferent twoods or forth to and a hail hool will have. Bo back when lorth to school will have. But when I
was getting through the fence to explore Was getting through the fence to explore
those buahes, and had just about put
my hand down to pull some very pretty violets, what do youl some very pretty
ugly snake dart yo raw? An ugly snake dart up right under my handi You may be sure I I got my hand out of
there pretty quick, and the fright made me scream and run. Now I am alway afraid of snakes. and I was am angry that a silly snake should spoil my pleasure.
You may laugh, but I lept out of there
for a good while. for a good while. But don't those
protty blue violsts look nice peeping up
from oat of their noest of green? from oft of their nest of greem? ?
Don't those pretty large flower nice when you ar running through the
Woods Jack-in-theppulpit $I^{\prime} m$ spealking
of. It seoms to me he often preaches of. It seoms to me he oftem preackhy
a good asrmon. One which. is often
vividly before our minde wis, "TI is of vividly bofore our minds lis, "If the good
God can take carn of the proty flowers
and give them fond and lovelineess, cannot He take care of us, who to Him
ara so much more precious? And just
an He clothes those lovely their pretty colorss and purences, cannot
Ho clothe ue with the Divine Spirit of He clothe ue with the Divine Spirit of
holinoes, purity and truthfulneso ? That
we may shine with the Holy Spirit, and reepect the good works of God.
Now when Now, when you walls through the Willes, don't you feel as though you
could stay there all day picking them, I always do. Whan II find icking tio timem? for
me to be me to be going homoward, I feel as
though I would stay longer. Those
funny Dutchman, funny Dutchmand, bray longer. Those
laugh. I don't make mate me laugh. I don't believe they are much
like the original ones. But whare has my pen been leadin
me? I must surely me ? I must surely say good-bye.
think you have heard from me before. I remain, yours vary truly,
Thorndale, Ont.
LUCILE Tharndale, Ont. $\begin{aligned} & \text { LUCILE GLASS } \\ & \text { R. No. 8. }\end{aligned}$ (Age 11, Clasa

## riddles.

When it is door not a door? Ans.If a barrel weighs afty pounds, what weight twenty-five pounds? Ans.-Hole -Sent by Muriel Mick.
As I went through a garden gap,
Whom should I meet but A stick in his mand, a stone in his If you guess this riddle I'll give you Ans.-A charry
Why did the farmer call his rooster (Crusoe).-Sent by Agnes McLsllan. What goes up and down, up and down,
and never touches earth or sky ? -A pump handle.
What goess round the house and only
leaves one track? one track? Ans.-A wheel
barrow.-Sent by Walter Atkin. Why is a thump like a hat? Ans.-
Because it's felt. Why is a wig like a lie? Ans.-Be-
oause it's false. What goes un when the rain comes down? Ans

## Fashion Dept.

 HOW TO ORDER PATTERNS. Order by number, giving age or meas-urement as least ten days to receive pattern. Also Price ten cents PER PATTERN. If if two numbers appear for the one suit, one for must be sent. Address Fashion Depart mant, "'The Farmer's Advocate and Home sign your name "ondon, Ont. Be sure to Many forget to do this.
When ordering, please use this form Send th
Name........
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Post Off
County.
Provin
Province .........................
Number of pattern.
Age (if child's or misses' pattern) Measurement-Waist,
Date of issue in which pattern appeared.
Address : Pattern Dept., '...................",
Advecate and Home Magazine," Fondon,

## ontartic <br> 



7525 Plain Blouse or Guimpe,



7782 Girl's Drese with
Tunic, 8 to
to

${ }_{7}^{7886}$ Box Plaited


7800 Lingerie Bliouse,
34 to 42 bust.
 nust be done at
one's nearest

The Children of the Fores TRUE STORY of A TEACHER's

By M. Blanche Boy
Chapter 4
The first trial that arose was over my bitycle. which had been brought to the
village by a Mr. Black church, and kr. Black who had gone
out as andy offered to bring out a we had no room in the buck
boarr. Somene had informed me thad
most most probably I would be able to ride
but it was surprisising how anybody con possibly entertain such an idea when he
had himself seen those ron had. himself seen those roads. Weal whe this
Mr. Black kept my wheel at his place
Cor.
 it-on Nipissing roads of all to ride on
the world sandy,
roand
rocky, stumpy, hilly the world-sandy, rocky, stumpy, hilly
roads.
hopelessly Needless it os say it was broken Yoens. Needlass to say it was broken
hopelessly in seven places and the
trusters were conel trustees were compen places and to send on pur
pose for it, and it was the






bean spent on two new tires as, well as
the treight. Scarccil had two weeks eläpsed beforo A lang-toberemembered event took place
which time alone will efface from my memory.
As yet the McDonalds had told me
very little that was detrimental to their very litte that wras detrimental to their
neighbors, proterring that 1 I should find
find them out mysell, which did not take Yong to do. Satriay Mr. McDonald Cook his
horse and wayon over to to te Cameron's opposite, an he had kindly offered to to go
into the village with this into the village with this man to bring
out some second-hend furniture that had arrived from Toronto. It was half past nine and alit the chores were, done at
our place, but it semes Mr. Cameron hati
done practically none of his on our place, out it seems Mr. Cameron had
done pratically none of his. Out he
came, muttering sullenly to himself and saying he "hated to be hustlod." Mr.
McDonald informed him that there was no hurry, when all at once that seemed
to irritate him. for he geized Mr. MeDonald by the throat, throw him out head up and down against. $a$ pille or rails, sat on and punched him with his
fista. $\mathrm{To}_{\mathrm{o}}^{\text {toy the teast this was a mosit }}$
 tall, powertul man and a priet boxar,
whereas hit opponent was taken sudden: ly and had no notir play ta all: Hearing a noise I ran to the window




 Ho calted to hia youngost son to kill Cameron, wharoupon the boy took
raill
waid toreced tolabored the coward untill h was forced to stop ; he had in the mean-
time thrown Mr. MeDonald again and had thim by the throat. A length, however, a neightor ap
 to the house a sight to behold, with
fiie tace cut and streaming with blood, fiis clotheos
and dirn
and perrect orlley of oat the isseuded from his his
mouth, and he was unable to walk, tall mouth, and he was unable to walk, talk
or stand straikht. As he was cursing
everrybody who came from Toronto. sat nearly paralyed with fear and
trembling from head to foot, not know ingmbling from head to foot, not know-
ing what his passion would lead him to
do. Atter washing his hands and face he
got rayd, and started straight for the
magistatrate's home to get a warrant for magistrat'es hame to get a worrant tor
the arrest of his assailant for assault,
battery and attompt to murder.
 chained it. Atter hearing, and the there of
the case he was informed that should
then the trial come orf, Mr. Cameron would
have twenty years in jail, $\$ 200$ fine
with the In the meantime Mr. Cameron and. his
Camily started to get a warrant for Mr. cicDonald's arrest., and again the magis compolled to do so when one, but was
evevelled at evening this man was bold enough to
come to the door and hand Mrs. Mc-
Donatd It is impossible to realize with what
dread we waited for the master of the
the
 in some fun," came to the house and
ried to uge him to go over and shoott
fis neixhbor is neighbor. Acting upon their advice
ho snatched his rifle from the wall,

 In a day or two, when he had cooled
iown, he informed us that at the trial
de must all appear as witnesses, but my we must allormed us that at the etrial
being a tisintereat as witnesses, but my
party my evidence (most decidedly sol
mold


especialy
the neighborhood.-and having just arrived
being being left holpless with two little child
ren! The fight, of course, was the talk o
the day, and was found most intoresting -"Ite sort or was found most interesting neighbor's house one Sunday calling at said to
me, "IT ever take of ever your sot get into a fight juss
in it, and in it, and whack them around bithe stone
with it. That is what $I$ alwayys hao,
It
 a man by the a heard and and I just tuck
pulled a good part ond till
roond
 rough a popple for you to live amongst,
you have beon brought up in a good
home." Not long alter this fight occurred an
invitation was sant over for mo to go across the way, as they thought of
sending their little boy to sohool
wanted wanted to see mo frrst, but although 1 was there an hnur and a half they never
mentioned him. We called this the "White House," and the owner ""he
President," as his house whitowashed. It, would never do to
shun these people, shun these peonle, and the McDonalds
told me they did not wish their
to to intarfere with my intercourse among pected, the reneson for my being invitiod
 to appoar as withose, but upon my
stating that, should the trial come our,
it was absolutoly necoanry do so in spite of my wishing to have
nothing to do with it, this did not setisty thom in the loasit, and they tried thingers bute $I$ frrmly told them cortain
should tell to the bet should tell to the beit of my ability
exactly what $I$ had seon. Not being ahle to obtain evidence in
his favor, Mr. Camerobi's next plen attack was at aet an the next plan of
swear that Mr. McDontild swear that Mr . McDonitid, was a danger-
ous character and, therofore us character and, thetrefore, should not
be at large, having levelled his revolver at one man's haed and being supposed course, thart had now womana, etc., but, of
matter in question. matter in question.
Two years before Mr. McDonald had had Mr. Cameron in his power to send
him to jail for seven years for shooting one of his animals, but had taken pity
on his wife and 1 lot him oft, and had since helped himd greatly with, has hard
work, and this was the thanks he got Work, and this was the thanks he got.
Giradually, however, the light of pos.
sion dimmed and Mr. Mconond his thimed or ror revenge, but vowad vever
to lift a finger to help him again in any way, as they were better apart in
once again we hreathod more freely as once again we hreathed more frely as
the angry clouds rolled away before the
storm burst.

Chapter 5.
THE MENU
You must not suppose that it was all
derk and dreary; on the contrary we had many happy times. We were up at
five in the summer, breakkasted before six, had dinner att hall past ten, teoore at
hall past three and supper at hall past
 hours, however. I dined at 12.15 , and
hed tea at 4. 15 alone. The meals were all very much alike.
As I heard missionary mo thay they
had " Hean and fish for breakkast, fish and tea for dinner and both tor tee," and
so it was with us. The bread and
butter was very nice ercept when the
stove caused the former to become

 and we hat tried beef three times a day
untile that was koen then and was twas
killed and we hat rried venisor threed
timess a day until that was gone, and
 wonder we were not tried ourselves.
Sometimee we had thoiled egrss but havd
ink no epg-culs we wure obliged to hold Sometimes we had bited eggs, but hav-
ing no egg cuus we wre orliged to hold
the hot ebke in cur hands while eating


Occasionally we had raisin, fig or or
vinegar pies and very onten andien
The only The only kind of cake was the far-famed
"Johnny and anny cake." which was vary nice,
anther kind which was generally pretty heavy and had some, raspberry
jam on top for icing, which would and leave nothing but seeds. A large
pail of syrup would be bought and this was used at each meal toill it was tone,
and then a pail of blackstrap would share the same fate. I foolishly would
told which how fond I was of doughnuts, them also, they kindly thought it would them. These made a large quantity of oread dough in twists about five or thix
inches long and fried in were, tharefore, tough as leather and tasteless, and made one feel decidedly
uncomfortable after partaking of them. With strong, green tea added to the
menus you will see that we had plenty to eat, and having been brought pup to out what was set before me or go with-appotite-it was satisfying and generally
rolished
One dreadful dose we were forced to take (mayy it never be mere forced to to to take
another !) will always be remembered Mr. McDonald shot a skunk one night
outside the " milkchouse ${ }^{\text {a }}$. where eif the Winter's butter. flour and meat were packed, and all of this food was tainted.
It was very hard to enjoy one's meals
then, but as they then, but as they gave me the best they
had, we always managed to laugh instead of making wry
felt more like doing. After this had gone on for some time Mr. McDonald seid to his Wife, "Aw, Jinny, I'll have to get another wife that,
will cook me something decent to eat."
"It "It would be more, wiee-like if you got me a now stove.", she replied. (Two
more of her expressions wert, "a moot treemendjus bothersions wore, "a most
bote get the stove to bake, woll," and "I feel very onrest-
less.") Now, that stove should worked well, for it was none other have "The Prince of Wales," but in this in"What's in a name n"
From Noven
no mill, November until February we ha
we managed to thrive well as, but
"Iried" meals. Occasionally ${ }^{\text {ridge" (as Mr. McDonald ueed }}$ "patit) graced the tambe, but thet to cal
case of "two hites to a cherry." the

$$
\begin{aligned}
& \text { In this part of the country } \\
& \text { extremely difficult to grow } \\
& \text { vegetables, owing to the summen }
\end{aligned}
$$

$$
\begin{aligned}
& \text { extremely dififcult to grow fruit or } \\
& \text { vegetables, owing to the summer seaen } \\
& \text { being so very short, the frosts very }
\end{aligned}
$$

being so very short, the frosts very
early and the climate cold and change able. Why the weather might be cheveral
differe different things the same day, and one
could scarcely tell in the morning the day was to end in the. If If everythat for want of potatoes, for thot die over a hundred hags stored in the cellar
(a large hole dug in the earth (a large hole dug in the earth undier-
neath the house with no particular size neath the house with no particular size
or shape), which served for our oww
meals as well meals as well as the animals, for they
as well as we had them three time as well as we had them three times a
day. A trial had been made to grow onions a tri corn. but was unsuccessf(ull,
so we had to relly table. Fruit was not grown either. True,
there were a few apple trees sown from seed several years ago, but they neve grew to any height nor bore fruit. We we
were obliged to content ourselves. with were obliged to content ourselves. with
what the forests provided, viz., wild raspberries, cranherries, end blueberries.
The former had The former had not been very plentiful
that year, and none of the that year, and none of the settlers
seemed to care for gathering cranberries,
but on Labor Day a neigher but on Labore Day a neithering cranberries, to go blueberry picking, It truly was
Labor Day-in more ways that A young American, who was exceeding-
1y fond of hunting, had visited this spot where the berries grew and seen a bear and young cubs in the neighborhood,
and also he had found an immense
moose that had been moose that had been torn to pieces and
partly devoured by either bears or
wolves, so he warned wolves, so he warned us agalnst going.
This made it all the more exciting hy it was not long after my arrival in the
place, and I was anxious to sea as It was a bach It was a beautiful, bright warm day
when, about 11.30 a. m., two women
three small boy.
self began our three-mile tramp to the
blueberry patch. Nevar shall I coneider those berries dear-except, perhape, if compelled to buy them-at any price.
On we went
over sandy hills, stumpy clearings. boggy brushwood and dense
forests. forests, in many places having to walk along an immense trunk of a tree high one s "nerve" not to slip on the buehes
below. In many places the brush was so dense that it was impossible to see only follow each other by sight and hsaring if we kept very closely behind one anothar. Our leader was one of the
women, and it was wonderful how the led us so well, as her only guide in the forest was a twig brolean of here anid
there (the same guidince the Indial there (the same guidance the Indian
use in their tramps through the foresta) At last, after many scratches, we reach ed the brule where the berries wero in
plenty. plenty.
The The fruit grows in little treelition
bushes about a foot from the grounal
and really looka quite protty bushes about a foot from the ground
and reelly looka quite protty. At the
end of each twig would be a heriy that one could pick wourgal at a time and sit down on the groumd while doing
so, thus clearing a little circle and then one would move.on to anothor place.
Where diescribed before, a brule is a place with consequently the had noth toe trien with burnt logs, and it was not lond before our clothee were almoet as blakk
ase the logs. Coarse bruah is alwaye to
be be foumd in thearse places too, so, you
can have some idee of the wildnces of
the berry patch the berry patch. with a back-groued of forest on all aides. The ground ba
somemhet the apperance of a bod of
Binglinh violeta Mnglish violeta, spoh a dee and looked very protty. When lify MeDanald preserved thety, When Werriee whe ayl.
dently did not put enough
them.
 one to eat formonted bluoberrion; they
are like bittior aloes. are like bittier algoe.
Our American friend his rifo for for friend followed we with some danger, but, withought meot mitl tracks in the soft, wet soad, wo se went home early in order to reach home before duak, for many people aro lopt and it was no uncommon sound to hoer shout from one of his neighbore to suld him home.

## Chapter 6.

## PASTIMES AND PETS

During the summer we got up at ave was lour o'dock. wo there our usual hour able time for work before sehool. Stoek Inge being very expensive in the villecke, wool and Mrs. MeDonald kindly showed me how to konit them, so I made elght the poor childran were nearly perishe for the want of them. Nexi the nhowed
me how to make mittens and I made me how to make mittene and I made
three palirs of those,-one for my "ire man," who was delighted.
Not being able
kept me busy mating of flannelette, by hand, for mysolf and were unable to come to sehool because they had not the clothes to wear.
By way of variety By way of variety I made two fine notted
doilies, two seta of dinner crocheted lace, a sailor-collar of Batten burg work, crocheted tiles and needle
books of the brilliant aooks of the brilliant in meveral shedes,
and many crocheted articlea bead collars, crocheted articteles such as ted balls, to show Mrs. McDonald how to
do them ; in this way we were ablo to exchange ; in this way we were able to
ens. which made it pleasant On Saturdays there was manding and darning to bo done, as also the washing. It was my desire to learn how to do
my own washing and ironing while the opportunity was offered, as my time. at home had been taken up too much with
studies to allow studies to allow for much housowork.
About seven in the morning I would cake some pails down the hill to the
creek, dip them in to the water and arry them up the steep, rocky ineline, et warm. In the winter potato pot to sary to plough through two or the three
sainter leet of snow to the creek, and with an old axe break the ice to obtain the
or even a well. and, in some cases, the
people were obliged to walk over hall
mile for every drop mile for every drop of water that was
required for drinking or other purposes
In this respect we In this respect we were, fortunate, a
the spring was not a quarter of a mile from the house
When the clothing had been duly
washed and hung out to dry, I brought washed and hung out to dry, I I brought
it in and ironed it. This was not easy
work as the irons were very otd and work as the irons were very old any
rough, and cooled very quickly, which made it almost- impossible to do the
elothes very well at best.
Every Saturday night our mail came. Every Saturday night our mail came.
The magistrate at the post office (for
he held both positions) would drive he held both positions) would drive
eight miles to the village, bring the mail eight miles to the village, bring the mail
to his place, sort it. and one of our
neighbors would to his place, sort it, and one of our
neighbors would, go and fetch that for
the "mountalin", and our district, stop the "Mountain". and our district, stop
at a certain house on the way home to
haave the mountain mail. bave the mountain mail, and bring the
rest to his place, then some of the
pupils would walk this mile and a half
and bring it and bring it wo our place, so, as may
be imagined, the mail very often went
stray. Letters ment astray. Letters sent out shared the mame fate in many cases, and it was
most annoying. though not an uncommon
occurrence, for one's letters to be opened and read.
Aus the day drew near I used to get come; and wondering what it would sometimes be as long as possible would
home wing
Star ". Star," in which were two continued
stories that interested him greatly ; and holding my me the same way by with-
the evening would The remainder of the evening would be spent in the
perusal of the contents of the letters.
Friends from hone tin Free Press". (which was a week old by the time it reached me), "The Parish
Visitor," "The Christian "Heral." "Th Qiviver," "The Christian Herald" "The "The Ladié' World,", Home Journal,", which were
ever welcome. With these magazines and welcome. With these magazines
and my box of books which I took up with me, I formed a circulating library,
ending a book onch time the last was eturned.
he people.
the people.
or sewing and too dark in the house light the lamps, for something to do I would go out where the cows were being
milked in the lane and there learned the milked in the lane and there learned the
art, myself, of milking, and often the art, myselr, of milking, and orten the
whole family would be collected for a
quiet talk. The cows were so tentle quiet talk. The cows were so gentle
that frequently ${ }^{\text {I }}$ would stand beside
them and switch the tantalizing them and switch the tantalizing flies
from them with a branch of a tree, or
sit on the sit on the backs of those that wer
lying down and pet them while the
blinked blinked their and pet them while the thoroughly enjoy being petted. It was
not long before the eight of them and
the little calves The horse and young colt, Paddy als wanted their share of petting and would
expect a piece of sugar at least folm expect a piece of sugar at least from
my hand, but at last they became so
friendly that more followed me in to the summer kitche
and tried to enter the living-room, but and tried to enter the living-room, bu
were prevented. Paddy had required
great deal great deal of attention when a littl
colt, so, at a year and a halls old, al
though nearly as big as his mother, still expected petting. His mother had
not been able to bring him up in the
way good colts should 0 , as he learned to kick and bite for mischief, many a
"oone" he got in return from her, but it
did not seem to make obedient. He would follow the down to,
the bars, or come to meet me when । was returning from school to try to,
take off my cap with his sharp
Paddy kicked poor Norinan and killed him, not long after my return home.
Then there was "Coyp, the black and
white Conlie. Faithful old dog. she
would white Conlie. Faithpul old bank and
would come twice every day down the
the bars to m?et me, and was quite ro warded when she recerived a was quite rede petting
and a few kind words. and would danc around me so mexitedly nnd lick my
hand to give mee a welcome home. One
peculiarity shee had was that, when
petted, she usiel to roll over on her
 It
he boys went to the post without her,
he was greatly distressed and would whine piteously.
Among the Among the pets were no less than
three cats. Tom, a poor old brownishgrey cat, with large saucery eyes tha
resembled those of a wild-cat, rasemer stif, and, having bild-cat, caught in
rather
a trap set for a mink, had broken near-
ly every tooth in ydeary tooth in his head in his frantic endeavor to escape, to say nothing of
his poor paw wlich made him lame for
many a long day. Consequently the many a long day. Consequently the
poor old cat was not spry enough to
catch many mice, and, indeed, it took him a long time to eat his food. The way he caught birds was very clever. Wa
would roll on his back with his fee turned up to the skies feigning to be o molest him, ha would snatch with his aws. One could only pet him for a Next came Harry, a young, though
very large cat. with a wide gtripe of the tiger shape down his back, and the having keen green eyes, sharp mouser great strength.
mouse in the day we heard mouse in the wall beside the window, but could not even see the paper move.
Both cats rushed to the spot, Harry, being active, made spot, spring,
caught the mouse through the coarse, caught the mouse through the coarse,
brown paper and brought it down again, a distance of seven feet. Now, that
"Last, but certainly not least, came $m$ "Pushie," a dear little white cat, with round spot on either side, and yellowish eyes. Doubtless you will be amused at the idea of describing each animal
minutely, bot if you minutely, but if you ever take the
trouble to intarest yourself in animals
you will be surprised you will be surprised at the difference
in appearance as well as character The older cats had had their ear frozen off, as, indeed, all the cats ears
have. Old Tom had a broad serione looking face and stubby nose; Harry had a long, pointed nose nose ; Harry
ful, stolid-looking powerful, stolid-looking face; while Powhi and was as quick as lightning. as she saw a stick or whip in anybody's
hand, in about $a$ second all you would see of her was the white tip of her tail.
It was really ludicrous to animal scuttle around. see that little
stray cat which was stray cat which we thought must have
been left by some Frenchmen ceen left by some Frenchmen who were
camping not far away. When I found
her in the yard behind her in the yard behind a stump I found
day, by dint of coaxing day, by dint of coaxing I captured her.
After considerable petting she became a
great favorite with great favorite with all in the hocame a
ealf especially. Mr. Mr. McDonald said she al-
ways seemed. ways seemed to know when twolve and
four o'clock came. She would run to four o'clock came. She would run to
meet me, and before I was able to get
my things off she woul my things off she would spring upon
my shoulder, curl harself around my neck
and purr No matter what I was doing-reading writing, or sewing-Trushie would curl
herself around my neck and actually go
to sleep thare to sleep there (rather and ancomally go go
place one would think). Should you
dare to take her down sho dare to take her down she was quite
insulted.
Being a little roumb day I administered a in her play one so highly offended her that she stood
up., put back her ears and cuffed me
back, and then ran into the corner and
sat with amount of coaxing would wall, and no
She made fricends her out. return, when she ran purring to me, and
jumped upon miv shoulder in her old without her I do not know, for no
matter what troulles arose to sadden
me. Pushie was nlwacs the

 leaped upwn (av, Mathe compliment.
tight white that hung on
across the fiwl
 soft-hrownish meln. that warte of a bels
around their necks to keep the foxes
away during theis
through the woods. There were also
few hens in a house, the size kew hens in a house, the size of a dog's,
kennel, and two "Triends of the sty." lived in the shanty which bad been thes home of the fanty which had been the
built built their present home.
Gradually the weeks we Gradually the weeks went by, and the
holidays were at. hand.

The Windrow

## Mr. H. S. Montagu, under Secretary

 for India, stated recently in the BritishHouse of Cominnos that Indie pared to revise the treaty of 1911, pro-
that no more opium will be sent into
from China. ath housewives nothing more than in our gardena. Thything else of the kind stalks, something like the stem beet leaf, or Swiss chard, and some saing also like a cabbage stem. It is icious. The tungshu nut also comes fom China; looking something likg an onion, and pretty likely to win its way
o great popularity. It to great popularity. It has a delicious
flavor, is very nutritive, and can be grown with the utmost ease. The list is a long one, at any rate, and our bill of fare for the common man's table is
being enormously enlarged. It will cost no more to grow these things in our gardens, and in many cases will in our coarse and indipestible vegetables. Mr. plant importation bureau, head of the the human appetite needs rotation
of food a good deal as ${ }^{\text {the }}$ theil needs rotation of crops. Both of these needs
are accomplished by the some of the better importations.-The

Miss Emily Davidson's intimate friends surprised, $\begin{aligned} & \text { among the militant suffragettes were not } \\ & \text { says the Literary } \\ & \text { Digest }\end{aligned}$ surprised, says the Literary Digest,
when she threw herself in front George's horse on the Fpsom track recently and was fatally injurso. It is said that she had held for some time
that a woman's life would have to sacrificed before the women of England would get justice. For several years she was regarded as one of the most
daring of the militants. "She little mite of a thing," says Mrs. Mary Freman, mother of Miss Mrs. Mary Freeman, mother of Miss Elizabeth she didn't know such a thing as fear."
"She died for women," "She died for women," said Miss pondent of the London Daily Sketch on
the day following the the day following the incident; "the Government's refusal to grant the vot
drove her to make protest," Mrs. Free man has been in England much of time since the militant movement began Davidson. In an intervicureer of Mis the New York Tribune she describe some of the exploits which made the
girl conspicuous: Emily had pluck
Emily had pluck. Once when she was
in Holloway jail-she was in of times, and subiected to in a number ing on at least four different imprisonments, as the badges she wore showedshe just wouldn't be forcibly her mind took the two plank beds in the cell, fo though there was only one priscner there
happened to be two bell they were, twelve inches widl just plank the end of one against the door, and the end of the other against the win
dow, which dow, which opened inward and was op-
posite the door. That left about foot's space between the two plank-ends
in the middle of stool between them, and sat on it. put
The jailers battered at the door' and
threatened her, but she wouldn' Then they broke a hole in the window and with the fire-hose played a stream of cold water on her back for nearly an
hour. At last they broke in had pneumonia after that, and they Emily ne of the girl who in 1910 got into one of the towers of the Houses of
Parliament on a Saturday there concealed all that night and stayed
day, with only a bottle the wackers. And then, Sunday night, dropping when she stirred it of plaster lace where sho hid ; and she was found once, too that into St. Stephen's Chapel Houses of Parliament. While she was being shown through the chapel say to
the watchman : stay here, with all then't you afraid to
der these stones ". der these stones". Emily stayed there
all night, and she wasn't artaid, either
Once in 1909, she climbed to the rer get the name-where a political meeting
was to be held was to be held. She waited there for
hours in the snow. and when the ing began she let. herself down the meeta skylight, and. hanging there
reach of the stewards, heck
speakers through

JULY 17, 1913

The Ingle Nook [Rules for correspondence in this and other De


The Child Who Balks. "But my boy positively will not study,' ply cannot keep him at it."
Here, truly, is presented a complica Here, truly, is presented a complicamon. Willie and Johnnie and Tommy; yes, and Jennie and Kate, too, want to
play all the time. Thêy don't want to settle down to books, nor to concentrate attention upon them even when they are
at them,-all of which may be somewhat ruinous to Willie and Johnnie and Katie and Jennie as future responsible humans. Well, disappointed mother, have you the difficulty? Have you - exercised thought and imagination and patience in dealing with these refractory young colts ot yours them to get their lessons done "barged" it go with that?
Perhaps there is some definite reason at the back of the refractoriness. Possibly you have been attempting to keep
Johnnie at his lessons too long at time. Some brains, you know, seem to require very frequent rest in order that
they may do their best work. The eminent Herbert Spencer, for instance, when composing the first part of "First
Principles," by a Highland loch, used to ow half an hour, then work half an was threatened. ${ }^{\text {and }}$ Just here it may be
was mentioned that Spencer, like Voltaire, with water colors, was me could paint killul as a mechanic, and held that the rest periods spent on any of these occu-
pations prepared him all the better for the heavy thinking and writing that made
up his life-work. To return-have you spent time with Johnny over his lessons trying to really
interest him in them? much more about them than Johnny est him may be rather futile. Really, in these days of cheap books on every subject under the sun, there is little exneglects to equip herself with the necessary information on the subjects taught in the public schools. It is not hard to leep ahead of a child.
Have you used your imacination hinking out how you may best present the subject to enlist Johpny's interest co-operation? -If not, you have
not the slightest idea as to how much you may accomplish in this way. mu
-atiently everything of this kind has been Here but one conclusion is possible: Here but one conclusion is possible:
Either Johnny has a scatter-brained ead or an obstreperous will. And so
omes up the question of discipline, one of the hardest that teachers and parents "When all else fails, welcome haws."-
When all else fails, welcome compulsion. Johnny has balked at every trial. He efuses to study his lessons, he refuses
o do anything he is told, for that mato do anything he is told, for that mat-
er. Probably he was spoiled to begin ith; he was let dritt into shiftless and wilful ways, he was not "begun upon"
soon enough,-the fact remains, he is a balker now and something has to be In such cases, punishment of some kin a few isolated cases, actual whipping have to be resorted to, but it reason first. Do not demand any-
unreasonable.
Do not insist on unreasonable.
Do no not ience,-but insist on
insist, in the end. obedience,--but insist, in the end.
olute obedience. $\quad$ Occasionally the Occasionally the
nust be taught that he has to do
things that he does not like to things that he does not like to
Ie must. indeed, grasp this truth
in a temper yourself. If you you are
are only likely to make an exhibition of
yourself and harm his forteit his respect for you ays be made to feel that punishment a grave and deliberate thing, only re inevitable result of misdemeanor. and an fect must follow cause,"-the sooner he
realizes this trean realizes this truth the better. Punishment, too, should be severe
enough to be effective, and to be seldom
needed needed. It should never become a joke. Above all things, avoid the too-com-
mon practice Mon practice of threatening, threatening,
threatening, and never carrying single threat. Very soon the child, less he is an absolute stupid, sees
through that through that and presumes upon it. "Oh, mamma, you know you'll not do a thousand other children have said the same thing, or thought it. Children so
treated invariably cause endless confusion they like," and Moreover, they are sharp to notice the discrepancy between word and deed, and word. It is rather difficult the parent's child-mind to differentficult, too, for the laxness and actual lying. Clearly, lor the sake of her own reputation and standing in her home, the mother should
have strict regard for the ing out of her promises. If she is to tender-hearted to execute, then she should

To conclude, if you have a child wh really tries hard to study hard with him. Be patient. Take the will for the deed, and do not impress it
upon him that you are disappointed upon him that you are disappointed in for-nothing. Do not take the heart out of him, and kill the few smouldering sparks of interest and ambition that he may possess. Don't you know that you
boy's case may be but one of those spoken of among educators as cases "retarded development"? At fourteen o firteenise you. Many a man that may surprise you. Many a man who has at
tained eminence-it is only necessary to mention Montaigne as an example-began
thus slowly thus slowly.
Be more painstaking and patient wit this child than with the others, - if pos sible more kind and gentle. His condi-
tion is not his tion is not his fault.
Try to find out if he has a real aptitude for anything. It may be that he is really and permanently dull and slow intellectually in most things, but that he
has a strong bent and genius for some has a strong bent and genius for some
one thing. Try to find out if this is one thing. Try to find out if this is
so. If you succeed in finding the hidden talent, then you may be jubilant, for you may have discovered that which
when encouraged, may transform your when encouraged, may transform your
boy. No matter what he is now, remember
"A youth should always be regarded with "A youth should always be regarded wit
respect. How do we know that his future may not be superior to our pres
ent,"-a saying well worthy of bein
en ent,"-a saying well worthy of bein
smoked in the pipes of most grown-ups (To be continued.)

The Summer's Tan
saw a statement the other day to
effect that by far the bulk of the letters sent to the largest Chicago news paper are from women asking for beauty
recipes. I don't know whether country girls and women are as interested as
city women in acquiring the arts of beauty or not, but $I$ imagine
they they are not, because, perhaps, they
have found so many other things to be interested in. 1 know this, that com-
paratively few letters asking for beauty hints come to this paper, - perbaps, once or twice in a year, an innocent intle letter or two. modestly asking what will
remove tan or freckles. not prepared to ko to the extremes re sortcd to by people of Pashion, desire to

## It's easy to keep cool if you drink NOIT I I I 1

Iced Tea. It will quickly remove that drowsy feeling.

Allow the tea to steop for five minutes and thon pour off inte another vessel to cool gradually. Nover nes antriticial mmane
of cooling until roady to serve; then add sugar, ice and lomom

POSITIVELY THE LARGEST SALE III CAINADA


If there were no Fords, auto mobiling would be like yacht-ing-the sport of rich men. But by centering his effort upon the production of one good car, Henry Ford has brought the price down within reason-and the easy reach of the many.

Here's the test: $\mathbf{3 0 0}, \mathbf{0 0 0}$ Fords now in service. Runabout \$675; Touring Car \$750; Town Car s1,000-f.o.b. Walkerville, Ont., with all equip ment. Get catalogue and particulars from Ford Motor Car Company of Canada, Limited

|  | College <br> A High-grade Residential Śchool for Girls and Young Women COURSES: <br> matriculation, <br> ENGLISH, MUSIC, ART <br> Careful training under qualified teachers Fall term opens September 11th. Write for prospectus. Address: <br> MOULTON COLLEGE <br> 34 Bloor St. E. |
| :---: | :---: |

OMTARIO
LADIES
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And Ontario Conservatory of Music and Art, Whitby, Canada, Stands For Efficient and Cultured Young Womanhood
The now ges,oee clyyumaslum, with wiviminize pool, anforde ghellities for selomtine Phyucenl Eduentlo:

 All the other Popprtumbs ane oqually weil provided

REV. J. J. HARE, PH.D., Primelp
The "Right" Start Spells "Success"
Give your boy an opportunity of acquiring a college education under proper conditions. We emphasize the conIitione governing education because they are far more important than the education in itself

WOODSTOCK COLLEGE
in a Chriotian college home as well as an educational institution of
tational imporand
trainina
 ficia to the student. The ciimaroueshnema and and an effclency very bene


Write the Principal for Culenda A. T. MacN ill Bept. 2nd

Woodetock College A. T. MacNeill, B.A
Woodstock, Ont.

or Better House -At Lowe
For a Better House- -At Lower Cost--In a Month Less Time--Use

## WALL BOARHOMSHICATHING

Bishopric Wall Board is made in sheets $4 \times 4$ feet by imbedding Asphalt-Mastic and surfacing pressure, in one side of a sheet, of hot comes to you in crates of 16 sheets, ready to nail sized fibre-board. It handy man can put it on in far less time than skilled workmen cand any Bishopric. Wall Board goes on DRY, so that you can move into the On account of the lath (and Bishopric is the only Wall Beard made. with lath) it makes a flat, rigid, substantial wall. On account of the patented Asphalt-Mastic it makes a moisture-proof, rat and vermin proof, the surface of sized fibre-board it makes a wall that is easily account o papered. The first cost of Bishopric Wall Board is less than that of lath and plaster - it never falls off, so costs nothing for repairs-and it it saves on
the fuel bills every winter. If you are building or remodelling, write us-a post card will , do-lt will bring you
1 normation of real dolar-and-cents value. Addreas Dept. "rd
Wh.,

BISHOPRIC WALL BOARD CO., LIMITED
Room 44, Ganada Lifé Bullding. 0
perfectly ridiculous profit.-Now, please
don't write don't write asking information in, regard
to any specific preparation, because can't give it to you
There are, however, many simple reme-
dies which peonle mey themselves ""better may resort to, to make the most efficacious looking." Perhaps
bath. "Pese is the daily good complexion," said a to have a woman to me once, "should take a bath every day, and wash their feet twice a
day," day." As a supplement to this, the
hair must be washed at least once a month-some hair requires washing twice a month-to keep it soft and flufly. Clean soft water should always be used
for the face and hands; indeed Thole baths if possible, and always for
whe the hair. The face should always be rinsed once, and the hair at least twice, in
clear, soft water, without soap.-One cear, sort water, without soap.-One
more point,-none but a very mild soap should ever be used on either skin or hair. Pure Castile is as good as any
for face and hands, and tar for face and hands, and tar soap for the
hair. As a rule, avoid highly soaps of any kind, especially it cheap. the perfume is usually added to cover up the odor, of inferior grease, etc., used in
making the soap. making the soap. cucumber juice, either of which mailk sand ly be applied as frequently as desired,
the buttermilk mixed with lemon juice.
Both will help to remove tan Both will help to remove tan, while pure
sweet cream will soothe and heal red, angry sunburn.
No better whitener for the hands is known than pure glycerine in various
mixtures: gixtures: glycerine and lemon juice;
glycerine and rose-- water, with drops of carbolic acid, citric acid, or tincture of benzoin added; even glycerine
and buttermilk. and buttermilk.
good cold creams sold in the drug the may be found of benefit. The best plan is to find one that suits the skin, and
keep to it. keep to it.
pleasant thoughts are the beat beauty hostrum. It is impossible to look one's may often keep from becoming ill by upon which good health depends-pure air, good food, rest, exercise, plenty of
sleep, plenty of pure cold $\cdot$ water to drink, sleep, plenty of pure cold water to drink,
-but when all personal care fails, physician's help may be necessary to re-
instate the robust strength which alone instate the robust strength which alone
can create clear, healthy colbr, and
bright eves Have you ever thought, too, what a
beauty - aid becoming clothing is? course we all make mistakes at at and
times, -we all get things that times,-we all get things that we "just
hate" in two weeks time--but perhaps
this is because of our fondness for ven turing on new ond, it may be, unbecom-
ing colors. It might be well ing colors. It might be well for the
most of us to observe a little what col-
ors, shapes of hats, etc coming to us, then keep to the mose be
though we may long to launch
 than once in a a ablue moon", "like more
haps that is because I haven" but per"look", much. I have come to the con-
clusion that every woman who can ponsibly do so, should absolutely can pos-
time whenender
timer she buys a hat. Nothing Well, with it all, the so most mof of us can't
be beauties. At most we ming to "make the best of ourselves," but hope
even that is worth someth very good man said, one day, "We should
all strive to took ane
 few men I have sust been thinking of a careless about their teeth and nails. very
there is such a one if your him a present of a tooth-lrush and nail-
file. Before six weeks if kind, he will be feeling quite advanced
beyond the "fellows". beyond the "fellows" who do not own
such things.
 hear Junia,-Your kind reply to my arder-pots and pans enough to squezeze but little Your suggestions are good. help to me. Now let us begin. Every inch of this trying some. Since writing to you 1 , house must the kent in immaculate order,
have been very ill, over-doing, the doctor scrubbing-thrush much scrubbing with a


JULY 17, 1913

## Everybody knows

 that
## PURITY FLDUR <br> \author{ Makes 

}
## "More Bread

and

## Better Bread "

NOW, find out the reasons why it makes the lightest, tastiest and most nutritious Buns, Rolls, Cakes and Pies. Test it at our risk. If your grocer doesn't handle PURITY, it's easy for him to get it. And -you get your money back if it is not satisfactory in every way.

612


## SWEET MILK WANTED

Shipers reauired to send milk daily in eight
palan cant to Toronto. Good prices." Write
cor
S. PRICE \& SONS LTD. Toronto

Shetland Poay Mares or Fillies
 BOX 2,610 , MONTREAL

THE FARMER'S ADVOCATE

to divide it of at night, you see. We'l
 frruit garden is going to be a .treasure. plums, -why, we'll have fresh raw fruit
from June till october.
 have one next year if I have to go with-
out a new gown to get it. Dont Inee
it in my dreams !-a threeburner, blueflame one, with a detachable o ven!
-Don't I find tell the truth, I don't iroh so very
much. We haven't many furbelows and fust "drain" quite a fow things the tablecloth, too, under the children's You see, Yike to have time to go to Wo take books along, and have toa there. We use paper and green leaves for platee or most of the things, and so much
dish-washing is saved... Oh, toerce happy lot, on the whole. wo try to
ceally live as wo go study together boys like studying with us about birds wind howers and insects and farming. In
winter we read travel. and stories, an So now, M. H. has yor So, now, M. M.", Do your bewildarmen
vanished at all ence between housekeeper and home naker ? Madame Home-maker, you must clean as does Madame Housekeeper, but By goes about it differently, that is all. by using her "head". and exercising a little ingenuity, she saves time for the
most important thing, happy, healthen and intelligent living. I should like very much to have other
opinions on this subject.-J.

## To Drive Away Ants

 season how to banish ants. and have this recommended the carbon bisulphide andsugared sponge methods. Here other just received from the University Minnesota. "The following is a tried and true
recipe for driving away ants of all
kinds. nd equal parts of tartar emetic water to the consistency of syrup, and put on a dish in the runway of the ants
They will eat very freely of it and fai to return for a long time, or perhaps
for the season. The dish may be set away when dry. When again needed add ready for use. The one dish may be
used several times.
Great care should get at the tartar-emetic preparation no

Keeping Food iu Summer.

## MAIL CONTRACT

SEALED TENDERS ADDRESSED TO it Ottawa until noon, will be rocelved His Magust, 1918, for the conveyance of tract for four years, six timos per weols.
trant Over Rural Mail Route from Granton
(Slouth -weat) (Middleax (Slouth - west) (Middlesea, N. R.). On-
tario, from the Postmester - Ceneralis pleasure.
Printed
Printed notices containing furthor suformation as to conditions of proponed contract may bo soen, and blank forme offce of Granton, and at the omee of the Post-offee Inspector at London.
G. C. ANDMRSON,

Post Omee Department,
Mall Service Branch,


NECHE-EAST cunuTy stris vantio

HERLOCK-MANNING
20TH CENTURY be called Canada's Biggest Piano Value ?


THE FARMER'S ADVOCATE.


Electric Steel Whet Farm Trucks Saves boot habo na h hoorese Write

 Eastern Canadian Sales Agent.
BIG CARTAGE COMPANY RECOMMENDS MOLASSINE MEAL te THIS IS WHAT THEY SAY:


 gotal warrant

This Company owns and uses such a
polyy
 MOLASSINE MEAL. it at your Dealers or write us directly.

 ST. JOHN. N.B.
MONTREAL
TOM

People eating in doubtful restaurants
should be particularly should be particularly careful about
meats or fish cooked with a highly-
spiced or aromation spiced or aromatic sauce which might
disguise a bad taste or warning odor disguise a bad taste or warning odor.
Only sweet - smelling, clean food, should Only sweet - smelling, clean food, should
be eaten. Spotted, green, slimy, or
frothy raw men trothy raw meat, or meat which is soft. in spots, also should be which is soft
suspicion. Taste suspicion. Taste, of course, is a sup-
plementary test, but one plementary test, but one to be used
atter eyes, nose and fingers. A mother before she allows her child to eat any-
thing thing, should oxamine it carefully in a
good light, smell it, and finally taste it good light, smell it, and finally taste it.
"Milk particularly deteriorates rapidly Milk particularly deteriorates rapidly ready contains bacteria. Housewives,
therefore, therefore, should see teria. to Housewives,
milk does not that their milk does not stand for any length of
time on a hot, back porch time on a hot, back porch or stoop, be-
fore it is put in the ice-box. Milk bot-
tles should be tles should be kept closed, both in in the
ice-box and ice-box and out of it. If there is any doubt at all as to the excellence of the
local milk supply, pasteurize all milk. '"All foods should be kept covered wrapped, and always out of the reach or Wrapped, and always out of the reach of
flies, which are deadly carriers of
typhoid typhoid. All vessels, pitchers, etc., in
which food is to be stored should which food is to be stored should first be
scalded. Food should be handled scalded. Food should be handled as
little as posisibe. The ice-box, especial-
ly its drain-pipe, should be cleaned tholy its drain-pipe, should be cleaned thor-
oughly and frequently with boiling water oughly and frequently with boiling water
and wahhing soda, and given an occa-
sional and washing soda, and given an occa--
sional airing. A persistent battle should
be waged against fies be waged against flies in all parts of
the home. the home.
"Uncooked foods as a general proposition should be avoided. Children should
not be allowed to eat the skins fruits, especially fruits which have been exposed to flies or street dirt on unscreened stands or push-carts. "Those who go away for vacation
should not get the idea that everything in a summer resort or strange city is
in
necessarily necessarily pure and wholesome. Tity is
danger of typhoid fever in country redanger of'typhoid fever in country re-
sorts is very great. Many of the cases sorts is very great. Many of the cases
of typhoid fever recorded in the fall in
cities where the cities where the water is pure, had their
origin in water or contaminated suborigin in water or contarinated sub-
stances drunk or eaten at some summer stances drunk or eaten at some summer
resort. Insist on boiled water. If you
absolutely cannot get boiled water. make absolutely cannot get boiled water, make
very sure about the reputation of springs,
wells, or tap water. Refuse wells, or tap water. Refuse absolutely
to take any water that comes from a source near an outhouse or stable, or in in
a neighborhood where fever is at all prevalent.
"Boiled
Boiled water can be made just as
palatable as unboiled water. The as taste which boiled water has soon after
it has been boiled is due to that it has been boiled is due to the fact that
boiling drives out of it the air which it
held in solution held in solution. It the water, after
boiling, is put in scalded, shallow, open
pans, and allowed pans, and allowed to stand for 24 hours
where files or dirt cannot Will regain its air, and have its usual
taste restored by the second day "Finally, it is particularly important
in summer that people should not be in summer that people should not be bed
misled into believing that the label misled into believing that the label,
'Guaranteed under the Food and Drugs
Act,' Act,' on cans and packages, means that
the Government has tested these foods and pronounced them pure and desirable.
The Government does not make the guarantee. The guarantee
wholly by is the the wholly by the manufactureer, and made
no more than when your own corner no more than when your own corner
grocer guarantees that the sugar he he
weighs out for you is all right. Examine goods labeled 'guaranteed' just as
carefully as any other kind."

Drinks, Ices and Custards for Hot Weather.
termilk. When it.-Heat 5 cups but-
in a boil, stir
in 1 tablespoon flour rubbed smooth with half a tablespcon of buttermilk. Stir
the one way, and kee boith cooked. Set on ice to cool, and serve
with sugar and cinnamon. with sugar and cinnamon. A good har-
vest-field drink vest-field drink.
Soda Water.-Take three quarts of
water. boil Wader, boil it, and allow it to grow
cold. Beat up the whites if twore Take one and a half pounds of loaf sugar
and two ounces of tor and two ounces of tartaric acid. Mix gestive :
all these with the water, and add recipes may be sug-
and a half tenon and a half teaspoonfuls of essence on and soak them over nightes lentils
lemon. and a half teaspoonfuls of essence of morning drain and set on the stove well
lemon. Mix all well, and bottle the covered with fresh boiling water. Cook
liquid for use. For a drink, put two for an hour, and drain again if neces-
tablespoonfuls in a tumblertul of cold sary. Mash through a sieve and add
tablespoons cream, 1 tablespoon chopped parsley, 1 teaspoon onion juice, and sa form into croquettes. Dip each in beaten egg, then in breadcr
Cheese Croquettes.-Melt 3 tablespoo Cheese Croquettes.-Melt 8 tablespoon
butter and stir in $\%$ cup flour. When it begins to thicken, pour in cup milk and cook till thick. Cool slightly and
add yolks of 2 or 3 eggs. Mix add yolks of 2 or 3 eggs. Mix all well,
and then stir in 1 cup or more of grated cheese. Stir over the fire, and remove just as soon as the cheese is molted.
Add salt, white pepper, and a desh cayenne. Pour into a pan in a thick layer and put in the ice-box. When
ready to fry, cut into cubes, roll crumbs, then in egg, and again in crumbs,
and fry at once. and pile in it, logutter a baking-dish and pried in it, log-cabin fashion, strips Sprinkle all thickly with grated cheese.
Mreasure enough milk to cover the bread Measure enough milk to cover the bread,
aidd add to it one or more eggs, according to quantity needed-an egg to a cup of milk is a good proportion. Pour the mixture over the bread, and bake in cheese dishes need slow cooking.
Cheese Souffe.-Make a sauce by mi ing 2 tablespoons butter with 3 of flour and cooking in cup milk. Season
with salt and cayenne. When partly cool, add yolks of 3 eggs well beaten Adeat the whites of the eggs until cubes. then fold into the mixture. Pour int for buttered baking-dish, and either bake hot water for one hour
Potatoes and Cheese.-Mash
potatoes, add 1 small cup milk, 1 dessertspoon to taste and $\frac{1}{\frac{1}{5} \text { cup grated cheese. Mix well, put }}$ into a greased earthen dish, sprinkle an-
other $\frac{\lambda_{3}}{\frac{1}{2}}$ cup grated cheese over the top and brown in the oven.
Lentil Soun
 dripping into a stewpan 2 dessertspoons ing hot add 3 onions, sliced, and brown
hem. Add the potatoes, Add the lentils, also 3 large turuip cut into bits, also and a small sugar, and a bit of celery if you have it. all for 2h hours, stirring from time to ub the soup through a little boiling water if necessary, Re heat, season, and serve with biscuits or
bits of buttered sre oven. Split peas or toasted in the vell soaked, may be used instead of the

The Scrap Bag. Canning vegetables.
string beans may be canned in sealers as follows: aok first exactly as though for the eed according to the directions given or canning peas in a recent issue. DRIED PEAS
Shell young peas and throw into a ket-
the of boiling
water.
Boil rapidly two tle of boiling water. Boil rapidly two
minutes, drain, and spread in a thin
layer and rate oven, shaking the peas often, modin bepes in lined with waxed paper, and
keep a dry place. Soak at least one SOFTENING WATER Sometimes during summer sof aundry becomes exhausted, and how to do problem. Geo. W. Walker, of the University Farm, St. Paul, gives the follow-
ing method for softening it: Add $\ddagger$ lb. quick-lime to 125 gallons hard water.
if still too hard,

The professor was delivering the final mucture of the term. He dwelt with
much emphasis on the fact that each ing times preparing for the the intervenation. the hands of the printers.,. Are there
any questions to in ny questions to be asked?"
Silence prevailed.
Suddenly a voice "Wom the rear inquired:

## Extensive Clearing Sale of Used Cars

Must be cleared out by August 1st---the end of our year. No reasonable offer refused.
The cars offered were taken as part payment on new Knight Models. They are in good repair, with first-class equipment
. A FULL LINE OF HIGH-CLASS GARS for ${ }^{2}$ 2. ALSO SEVERAL COMMERGIAI pleasure, to be sold at a sacrifice. Parcularly sultable for farm and country service-an excellent opportunity to own a high-grade car at a very low price.

TWO AUTOMOBILE ENGINES, 4 -cylinder. Suitable for motor boats.
All must be sold before August 1st, as this stock cannot be carried into next year Full description and prices sent on request.

## RUSSELL MOTOR CAR COMPANY, Limited 100 Richmond Street West, Toronto



## That's better!

It pays, for sure, to keep Cows in a clean Stable. Give them clean stalls and lots of pure air, which they need just as much as pure water and good food, and they will give more milk, more cream, more butter
O.K. CANADIAN STALLS AND
STANCHIONS


## THE PREMIER CREAM SEPARATOR



Three points to consider when pur chasing a cream separator

## Efficiency

Simplicity Durability
In these particulars, as in many others, the PREMIER is vastly superior. A ree trial will prove to you its many advantages.

Write for further particulars to :
THE PREMIER GREAM SEPARATOR CO.
St. John, N.B. Toronto, Ont.

Winnipeg, Man.

News of the Week.

## canadian

Agriculture" is to be added, as an optional bonus subject to the ourrlculum ollegiate ontario High Schoois and will be required to have a plot-of ground or experiment and demonstration.

The Methodists of Canada are undertional moving - picture ace cheaters of across Canada.

One hundred and seventy-one children,
under five years, died in the past yeears, died in Montreal during tality, as listed by a physiclan of the city, were improper feeding, unianitary dwellings, and the ignorance of parents.

Estimates just completed show that the damage to Northern Ontario Rorests
during the recent fres is much leess than uring the recent fires is much less than

Explorer Stefansson's ship, the Karlu
reached Nome, Alaska, on July 10th.
british and foreign.
Atter two weeks of strenuous Aghting
against the Greeks and Servians against the Greeks and Servians, the have appealed to the Powers to ar-

## Gossip.

The firm of Hodgkinson \& Tisdale July 11th: "We have just received word from E. C. H. Tisdale, who has been in
France the past month that France the past month, that he ha
finished buying his stallions, and is busy looking up some mares. He reports that he has five aged stallions weighing over 2,100 lbs. each, and two two-year-olds
that beat the ton, besides a useful horses ranging in weight from 1,850 to 2,000 lbs. Among the lot are three Paris prizewinners. These horsess
will be shipped from France on July 24th, and will all be shown at the July ronto Exhibition this season. This ship nent is considered to be far the best lot of Percherons that have ever been bough
2. Boon to the Country llome

P





Folding Bath Tub Co., Ltd.
${ }^{\circ} 1900^{\circ}$
Gravity Washer ent fee tro one moathis eral.
1900 WASHER COMPANY

## COLTITIIA DOULLE DISC RECORSS

DOUBEE TALUE FOR YOUR MONET

## POMGTRY












 Fok kiti


 FanM rok onik tilitarer rich cha; To





 Work.







Good Roads Pay for Themselves.
Tho dircet efeet that changing bad
rooad into good roasis has upon land roade into Eood roads has upon lend
value, and the general economic weltare
 concrete illustrations gathered by the
U. S. Department of Agriculture. The
Depater U. S. Department of Agriculture. The
Department has just issued a statement
on the subject on the subject, based upon a mass of information gathered by the Offce of Pub-
lic Roads, which is making a specia lic Roads, which is making a special
study of the economic effect of road improvement in the country. According to
data gathered, where good roads replac bad ones, the values of farm lands bor-
dering on the roads increase dering on the roads increase to such a
extent that the cost of road improve ment is equalized, if not exceeded. The general land values, as well as farm values, show marked advances, followin Among the illustrations cited by the Department are the following :
In Lee County, Virginia, a farmer
owned 100 acres between Ben Hur and owned 100 acres between Ben Hur and
Jonesville, which he offered to sell $\$ 1,800$. In 1908 this road was improved, and, although the farmer fought
the improvement, he the improvement, he has since refused
$\$ 8,000$ for his farm. Along this same road, a tract of 188 acres was supposed
to have been sold for 88,000 . chaser refused the contract, however, and the road improvement, and without anter improvement upon the land, the same form was sold to the original purchase In Jackson County, Alabama, the poo-
ple voted a bond issue of $\$ 250,000$ for road improvement, and improved 24 per
cent. of the roads. cent. of the roads. The census of 1900
gives the value of all farm lands gives the value of all farm lands in
Jackson County at $\$ 4.90$ per acre. The selling value at that time' was from $\$ 6$ to $\$ 15$ per acre. The census of 1910
places the value of all farm lands in
Jeckson County the selling price is now from $\$ 15$ to $\$ 25$ per acre. Actual figures of increased
value following road improvement are shown.
As $t$.
lertility or quality of the way affect soil
are due essentially to the deances are due essentially to the decrease in the
cost of hauling produce to maritet shipping point. Farms are now regarded as plants for the business of farming,
and any reduction in their profit and any reduction in their profts
through unnecessarily heavy costs for
hauling on bad roads, their capitalization into values. With reduced costs for hauling, profits are
increased; with the result that the farm increased; with the result that the farm
plant shows satisfactory earnings on a higher capital value.
The automobile also
The automobile also has begun to be an important factor in increasing rural Immigration is particularly marked where road conditions are favorable; in
fact, the figures of the Department seem to indicate that good roads indirectly increase the demand for rural property
and the price of farm land, like that any commodity, is ruled by its relations
between demand and supply.

## Gossip.

hamilton's fall importation of
R. Hamilton \& Co., of Simcoe, Ont
wrote us, under date of June 30th, from
France, where they had been for the last
ten days, having nearly finished buying
their fall importation of Percheron stal-
lions. They are well pleased with stal-
success in securing a number of very
large
Several of then will weigh over a tor
and have just come off the stands
making the seasone off the stands fron
are satisfied thew owner
around 2,100 pounds. They have a num
ber of beauti
ber of beautiful-colored dapple-gray horses
of different ages, also some
of difierent ages, also some good blacks,
and feel sale in saying that lot ever crossed the Atlantic for Canade
lot Some of the horses were prizewinners at
the great Paris Show, and several were well up in the big country shows.
Messrs. Hamilton expected to July 5th, and to have their horses hom
between the 15 th between the 15 th and 20 h of July, ready
for inspection by all interested in Percheron horse. There are several
types, satisfactory.
sprices and terms will be made
 Paes it. There are in Canada a number of good Colleges for young Ladies.


CHFISTIAN HOME as well as an educational institution of real merit. MORAL and
PHYSICL training combined with INTELLECTUAL development.' Individual orating- large campus-coilegiate buildings. Sociail care, expert
health lectures, physical culture system markedly effective. Principal Robert I. Warner, M.A., D.D., ST. THOMAS, ONTARIO


DO YOU NEED FURNITURE?

The Adams Furniture Co.

## Cream Wanted

We guarantee highest Toronto prices, full welshe
and prompt returns.
Our 15 years' experience
 Toronto Creamery Company, Limiteo Toronto, Ontario
HORSE AND CATTLE INSURANCE Against Death by Accident or Disea Specialties of Stallions, In-foal Mares, Tract Horses, Transit, etc. Liberal policy issurud ryat a
Company, operating under Federal Insurance DeWRITE FOR FREE BOOKLET The General Animals Insurance Company of Canad
Head Oefrice: 71 Ia S. James Street, Montreal, Que

Rice's Pure Salt


North American Chemical Co., Ltd. Clinton,

## Milk Wanted

or milk route in Windso Avalter n. KNight

## GINSENG

 I. E. YORK \& Co., Waterford, Ont they say, "and in some sections they are
now cutting wheat, which promises to was rather on the cool weather during June of rain. "We trust," they add in con-
lusion. clusion, "that all interested in the
Percheron horse will try to make us a
visit when visit when we land, and to make us a
stover, which we think will surprise them
in quality

Questions and Answers.






Trade Topic. BLOW OUT that old stump.-How
nany times more will you pany times more will you be content to around, drill around, around, harrow
around, rake around around, mow walk around, around, drive around, and
the lower field? Thenh old stump in the lower field? There is a strump ins ins.
easy, and very effectual way of getting
rid of such
 rough wood for sap-ouring a quantity of threshing, or
silo-flling. Stumping lowder
ind and make a stumping powder will do it.
Explosives.
clean job.
Write
Canadian
 tisement in this paper, and asking for
ree booklet.
Write to-day.

The Best Man-"."Who was the best man The weding? "How was that


Questions and Answers. Miscellaneous.

```
M Being an interested reader.of your valu-
lor information on the following ques-
tions. I am out from England, and am
fnd a situation for winter. I mm a
butcher,and a good slaughterer, and l
$w.
MPacking-houses in Ontario? (%)
terers or butchers?,
a situation? the best time to apply for A. H. E.
A.S.-It is ridiculous to ask such ques-
quiries and find out for yourself.
Mucilage-Photographing Children
    at School.
%onew, is the gum prepared that is,
Woud Inke to know this, because it would
M preparations. 
$o. Is it lawtul for a photographer to 
mmechldren without asking anybody, or
\,
you my a fivecent botte of ordinary
mucilage at a drug store or book store.
law for him to trespass uaraingschool
lom
```



```
c
```

Ans.-1. We are not in possession of Is it possille to force eows on orive a
richer quality of milk while on grass by

Nursing Parents Subscriber wishes to know if he can
put in claim for his wife waiting uen put in claim for his wife waiting upon
her sick parents, leaving her home to her sick parents, leaving her home $t$.
do so. They recover and outlive her This was done some years ago. Ca
claim be put in now? The estate ha claim be put in now? The estate ha
to be settled shortly. Please stat to be settled shortly. Please state
length of time back it can be claimed. Ans.-We think not successfully. U. Un less the circumstances are special,
seems very small to entertain such
 Can you suggest some way of getting
rid of rats? We are overrun with
them. They are killing our little chicks them. They are killing our little chicks
and ducklings. They will not eat poisoned meat or bread, and are too wise
for traps set in the ordinary way. R. J. M.
Ans.-Get several good she cats around female cats being the better workers.
Feed them enough new milk to keep them in good condition, and you will soon notice a marked diminution in the rats
Sometimes it pays to hire someone with Sometimes it pays to hire someone with
a ferret to clean them out, and a good
terrier often plays havoc among them. terrier often plays havoc among them, but taking one case with another, cats
are the best reliance. Feed and Butter-fat.
Is it possible to force cows to give a
richer quality of milk while on grass by
feeding bean meal or Swede turnips in
the winter months Can we vary the per cent. of butterfat in milk very much
by the quality of feed we give them? by the quality of feed we give them?
$\qquad$ percentase of fat
complished by the selloction of any par-
ticular kinds of fect, except that very sicular
tend (for a
duction of milk with a slightly larger percentage of moisture than normal, and
a correspondingly reduced percentage of a cat and other solids. On this principle, the use of turnips in. winter would tend to reduce, if anything, the percentage of fat in the milk, though by increasing the
cluurnability of the cream, as all succuchurnability of the cream, as all succu-
lent feeds tend to do, it might increase the amount of butter made in dairies where imperfect methods of creaming and

## An Alfalfa Weed

Find enclosed a wild plant of which 1
vould like to know the fit in first crop of alfalla, and it was the it in first crop of alfalfa, and it was the
only plant of the kind $I$ found in the field, and to me it looks like a bad
weed. It must have come weed. It must have come in the a beed, as it never was on the place or in the
neighborhood before that $I$ know of neighborhood before that I know of.
Flease tell me what it is, and the nature of reproduction, and the best means
of getting rid of it. Will it grow of getting rid of it. Will it grow from
the root if the top is cut off? Kindly
 Ans.-The weed is a European one, the Ans.-The weed is a European one, the
seed of which is sometimes found in
alfalfa seed imported from the alfalfa seed imported from that conti-
nent. It belongs to the star-thistle family, and is known as Centaurea calcitrapa, or caltrops. Pull out all specimens found. It is reproduced from the
meed.

## Gossip.

ountry life and agricultide. There is substantial agreement as to
the desirability che desirability of having a large per-
centage of the population living in the country, engaged in agriculture and other rural occupations. $\begin{aligned} & \text { angur chief considera }\end{aligned}$ tions are urged in that behals:
(1) Country (1) Country life contributes to the
virility of the race in body, mind and $\underset{\text { (2) }}{\text { moral }}$ (2). Agriculture is a means of creating wealth annually out of the resources of nature without necessary exhaustion of where agriculture is centurien Countries where agriculture is centuries old, syeh
as England, Scotland, France, and Cor as England, Scotland, France, and Ger
many, report yields of crops bicher oo the average per acre than at any pre
vious time in their history (8) Successful farming maintaina a
(8) Stir histor basis for prosperity in manufacturing transportation, and other musiness; and affords stable support to all prudent national undertakings.
(4) The increased
towns and cities is a pressing problem A larger production of food in Canade might not at once reduce materially the tion of producers and consumers, for doing business closer together, would reduce the amounts which are absorbed during the progress of the food producte
from the farm to the consumer's from the farm to the consumer's table,
The chief forms of satisfaction which any worker seeks to obtaín by labor are possession of material things, opportunity ior iocial enjoyments, and pleasure from
doing tine work itself in addition to wages or money returns from the product. Whatever enables the rural population to obtain worthy satisfaction in these respects is to be sought for their
benefit, and likewise for the advantage of the country as a whole.
Nothing can be done by legislation to
compel people to stay in the country compel people to stay in the country,
but much may be done by education to cause them to prefer to stay there. The
saying : 'Where there is saying: 'Where there is no vision the
people perish,' was never truer than at people perish,' was never truer than at
present in its application to the movement from the country and the attenuation of rural lite in Canada.-IFrom the report of the Royal Commission on In-
dustrial Training and Technical Eduen
dustrial Training and Technical Educa-
tion.]


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Oueations and Answers. Miecollanoous.

Liver Complaint-Canker-Roup. , apparently healthy, wis ome, and comb will, in Alling and opening and turn color. On very much onlarged and spotted, and testines have small and spotted, and in tached to them.
2. Hen, when noticed first, was hol ing mouth partly open. On looking at her mouth several yellowish, cheesy ofi, leave a raw surface. There is a discharge similar to catarrhal roup, and supposing this to be Are we mistaken in 3. Still another hen: One side of head
will swell; seems to lids and get dumpish. White foam eyematter gathers in eyes. Have not no ticed any other discharge. All hens a They are given copperas to and co their water occasionally. Will drit
water off of come to of of the manure rather tha in an open shed since first of May. Would like to know as soon as possibl Ans.-1. Your hen is L. A. W. liver complaint. $\begin{gathered}\text { hen is troubled wit } \\ \text { dose of Five all the flock }\end{gathered}$ dose of Epsom salts at the rate of
lb. to the 100 birds a Carter' hens, and the affected 2. Canker. Take the bird nitl. off all the scabs and apply to the sore
parts a caustic pencill


Six pairs of men's cotton Holeproof, $\$ 1.50$ to $\$ 3$ a box Women's and children's, \$2 to \$3 a box of six pairs; also three pairs for children, guar Silk Holeproof for men $\$ 2$. box of three pairs. W , $\$ 2$ a silk stockings, $\$ 3$ a box's three pairs. Three bairs of silk guaranteed three months. Medium cashmere socks, six pairs, \$2; fine cashmere, six pairs, $\$ 3$. Women's fine cashmere stockings, six pairs, $\$ 3$ Six pairs of cashmere are guaranteed six months. Genuine Holeproof are sold in your town. Ask for dealers' names. We ship direct where there's no dealer near, charges pre paid, on receipt of price.


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Frost \& Wood Ontario and Maritime Proviscor Eastern

BEST RESULTS ARE OBTAINED FROM ADS. IN " ADVOCATE
badly infected, and watch closely for
reappearance of the pencil on your cases. In the meantime
disinfect the the dirt, use a 10 -per-centean out all
creot carbolic wash, and see that every place is perfectly clean and sweet. 3. Probably a case of severe cold or
roup. Kill infected birds, disinfect as in number two, and by keeping hens free and fresh runs, there should not be any
more of this $\begin{aligned} & \text { more of this trouble } \\ & \text { the year. }\end{aligned} \quad \begin{aligned} & \text { at this time of } \\ & \text { F. C. ELFORD. }\end{aligned}$ In-breeding.
ing purposes a boar bred from for breedboar of same litter, all being pure-bred? Ans.-It might prove, all right, but we would not advise taking the chance.

Highway Allowance. lic highway? a. (a) Will the law allow one half of allowance? or (b) has a land-owner to to
build fence all that ience all inside his corner stake.
to say, all on his own 3. Would the owner of a fence outside
of corner stakes, sav, on be liable ftakes, say, on road allowance
bhould happen damages if an accident
shor should happer on account of fence being
placed there? Ans, -1. It varies. See the Y. Z.
dated Munici-
utes) Mul Act, 1903 (Ontario Stat ates). (hap. 19, Act, 1903 (Ond especially Stat Sections
630 and 61 . It
from 66 to 100 It ranges, ordinarily



Questions and Answers.
Veterinary
Canker, etc.

1. A year ago mare went lame. examination revealed the frog and heel decayed. It has partially healed occe
sionally, but always breaks out again. 2. Where can $I$ procure an impregrator ? that is partially or wholly detached fro the sensitive parts must be removed Then dress the parts twice daily with part lodoform to 6 parts boracic acid pack with oakum or aseptic cotton, and put on a beot to keep dirt out. Do this until healthy bone grows.
2. From any dealer in veterinary in-
struments. Your druggist will get one struments. Your druggist will get one
Luxation of Patella.
Yearling colt, pasturing on rough
ground, went lame. When walking, he ground, went lame. When walking, he
could not lift foet or fetch it forward could not lift foot or fetch it forward.
Ho now walks fairly well, but is not to now walks fairly well, but is not
quite right.
H. D. K. Ans.-The patella (stifle bone) became dislocated, and the colt's efforts to move caused a reduction or replacement, but
the joint is still weak, and the dislocation is liable to recur. Get, a bliste mercury and cantharides, mixed with ounces vaseline. Clip the hair off the Iront and inside of the joint. Tie him
so that he cannot bite the parts. Rub well with the blister once daily for two days. On the third day apply sweet oil and turn loose in box stall. Keep
quiet, and oil every day until the Keale quiet, and oil every day until the scale
comes ofl, then tie up and blister again and if necessary blister the third time a
anth later.
v.

## THE LOCK JOINT

IN a Sheath Rod the Copper is put on the outside of the in building a Lightning Rent goes. This is the best practice ible it must be waterproof. To make a Sheath indestructinside the sheath and freeze, and bulge the want water to get Joint" is the secret. It locks the Sheath TIGHT The "Loc IGHT SHUT. THE SHEATH OF
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## Miscellancous.

## Ox-eye Daisies-Killing Neighbors'

 A sod felds on an adjoining farm ha oxeye daisies, also tence bottoms, fuli o seod every year. Some parts, to go to in sod for over ten years have been more daisies than grass. . pick the dalsies that each year find their into our field, but es part of his tarm is higher than ours, the water washes the seed into our field, and it something is not done to stop their seeding, it will be impossible to keep them from spoiling our farm.on his farm instead of leaving themites go to seed? instead of leaving them to 2. Who are look after such mattors? allows his line fence for deme so that his neighte get out of who his field, and neighbor's sheop got into and kills some sets his dog on them two lembs killed in this way.
Ans.-1.
down and
Yes. It
destroy down and destroy all ox-eye daillos, and land as often in every year as is sumpl
elent to prevent the ris seed, it such cutting and destruction toir not involve the deetruction of the growing grain. He is liable to a penalty of
from $\$ 5$ to $\$ 20$ for contrevention of the trom $\$ 5$ to $\$ 20$ for contrevention of the
foregoing provision of The Noxious Weeds Act" (Ontario Statutes, Noxious
Chap, 88 ) Chap. 68).
2. The Inspector, if any, appointed by
the Councint of the the Couricit of the munilipality pursuant self, if no such Inspector has been appointed, could prosecute. 8. Yes-for so uriawtully killing the


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Montreal,

| Book Review. <br> FARM MANAGEMENT. <br> Under the simple title, 'Farm Management," Prof. G. F. Warren, head of that department in the New York State College of Agriculture, has presented in a recent book published by The Macmillun Company, a fund of information covering 600 pages, arranged under be described ters, an encyclopadia. A farmer and farm manager himself, with special opportunities for arriving at conclusions regarding the principles and practices of American farming in order to secure the largest continuous profit, P'rof. Warren valuable both to farmers and students. Its appearance when so many are disposed to embark in farming with little experience, makes it timely. The first forty chapters discuss the question: "Shall I he a Farmer?" and the book embraces the actual records of a large number of success:ful farms in New York State where it has been found that the most generally successful farms are those that combine some other cash crops with dairying. In the judgment of the author, farming affords particularly good opportunities for all-round development in those who adopt it as a life work. He also intimates that approximately 300 acres is approaching the and nearly five times as many of the ons on small farms in the state were ound to be leaving them because of the ack of continuous profitable occupation, |
| :---: |

arn
Newp Idea of woo New Idea has a steel and malhas a "nest of gears." The Ner Idea has a gearless direct chain drive. Your spreader is likely high. The New Idea is low down. Your spreader is undoubtis light draft. There are six special reasons why it is lighter Our catalog gives other spreader. lars. Every progressive particuis welcome to a copy. Write for
your copy to-day. your copy to-day. Write for

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counts, is presented in a sensible, prac
tical way, though it is not to be re garded as a "guide book", to success on
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plies at the lowest possible remove, as far as possible cost, and to
taken by the middersible, the profits
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society speedily got into action
cepted
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 (xas)



THE FARMER'S ADVOCATE
Questions and Answere Miscellaneous.
 seem to be in a a good, healthy condition Are milking well. $\begin{aligned} & \text { Mood, healthy condition. } \\ & \text { Ans.. See reply }\end{aligned}$ J. M. Ans. - See reply to similar question
J. H. M., page 1245 , issue July 10th. Hens Ailing

## Hens' combs have turne

they have stopped laying. Have been
feeding oats and ing is well, ventilated and dry The buil tell me the cause, and how to treat the
infected hens? of sixty have the disease.
SUBSCRIBER Ans.-There are many diseases whic cause hens' combs to turn dark. Give
the hens the hens free range. Isolate diseased
birds. If very thin biras. Ir very thin and weak, destroy
them. them. Disinfect the pens and runs.
Give the poultry to get green feed and give skim milk
buttermilk to drint

## Working Hours.

I $\frac{\mathrm{am}}{}$ a German, and I beg you to te
me how it is about the working time the Province of Quebec. I hired a maal
for twenty dollars per month. Now is gweng to work only ten hours per why
isthough it is the custom here to worl
all from 5 a. m. to 7 p. m., and in the
haying still longer. How much time is a man, hired withou an agreement
obliged to work per day
$A$ GERMAN SUBSCRIBER.

## Quebec

cepting that if the wust-setlled rule, ex is a well-established one, the pantries
would be legally taken to have included it in their contract-nothing, having been

## - Possibly Eczema.

I have a mare that has a kind of itch;
she rubs herself raw sometimes. I I have
 grass when not working. She rubs
hair in her tail out quite often
$\qquad$
 then give a thorough scrubbing with
warm soap suds and rub with cloths warm soap suds and rub with cloths
until dry. Then dress, once daily, until
und Che itchiness ceases, with a warm so
tion of corrosive sublimate $1 \frac{1}{4}$ drams a gallon of water. Purge her with eigh
drams aloes and two drams ginger. Fo drams aloes and two drams ginger. Fot
low up with one ounce Fowner's Solution
of Arsenic night and morning for tw of Arsenic night and morning for
weeks then cease a week and repe
necessany

## Gossip.

Agriculturally, the exhibition held at
Lethbridge, Alta., June 24 to 28 , was
a great success, notwithstanding the fac

$\underset{\substack{\text { in Cl } \\ \text { High } \\ \text { nit }}}{ }$

his
tyical
mired.
things.
 one can take it away.

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$\begin{array}{r}\text { G. } \\ \hdashline \\ \hdashline\end{array}$

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DAIRY-BRED SHORTHORNS


Questions and Answers Miecellaneous.

I would like to Mites. ish mites to know what would ban house. I have used cleanness. The henhouse is a new one; clay floor; cement
foundation. The perer Youndation. The upper part is a frame
structure, tar papered shingled on outside. I feed birds t
and day on buckwheet and oits mixed and mash and lots of sweet milk and heaver. I have lost several. They are Ans.-Whitewa lined in answer to J. S., in this issue Green powder on the birde. Green Manuring with Buckwheat Depth of Plowing
acre farm of light soill, it have on a 30 and sown to buckwheat, to were broken uch to successive years? Would it and would it be fertility of the soil, and vould it be a difficult crop to plow would clog on the coulter that the vines should be sown to the acre? How much deep or shallow edvise plowing light land deep or shallow, and about how many
inches?
B. Is 3. Is it advisable to roll light land? Ans.-Buckwhent is not nearly so goo a crop to enrich the land as peas o
clover, but probably you dould these. Plowing under buckwheat grow what it he soil nothing of value bu would improve the from it, though and increase the organic phyieal conditio available fertility. We should and the advise plowing under two successiv
crops ing the soil. manure for fear of sour bushel per acre for green-manuring poses on poor soil. With a sharp colter
and a chain, you should difflculty in turning likely to grow on a poor piece of land
2. Not too deeply oil beneath. About five inches is ugu 3. In many cases, ye

Hens Have Tuberculosis.
My hens have tuberculosis, as describe ised, as I have yards or treat as you he barn with other keeping them under the liberty of the sheds belonging ha Whole barn. Do you think there is danger of their alfecting the other ant
mals ? You ther is a ant. Please tell me what a disinfect thing, and just how to use it in cleanin up a big barn and stone stable, with
sheds and yards which must other stock. Also, pleast be used by would be really necesseary for me to if
keeping hens diseang hens altogether to get me to sto of the
and low lon ? $\min$ on poy to get rid of lice and ver vive
ducks and Aberdeen-Angus of Show. Form are todpers, every ang in yo WOOT, Pergus, Gnt., G.T.R. and B. BR.RADCEDARDALE SHORTHORNS Aeveral fine heifers and good ago, but have still
 Clover D bull Humber Maceses, especially the the yearling head of herd. Mac
L. A. WAKELY,
GTAMMERERS
eun be cured, not merely of the hablt, but
ont
permeneate.
The Aly
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IITMOR $\quad-$ Records show that cattle bought from the Salem ELORA, G.T.R. and C.P.R. others. Several young bulls are pricead reas we have




Sharthoris, Coiswolds, Berkshires

 chas. e. bonnygastle Sring Valley Sherthens lind of the best young buil prospects we ever too. Visit the herd? we think weil female
ouit you. Particulars on application. gYLe bros. RR. No.1, Drumbo, Ont. SHORTHORNS!
 II. Cargill \& Son, Cargill, Ont. Oakland - ${ }^{\text {So }}$ Shorthormo Dinal Fori.




促 TheManor Shorthorns
 J. T. GIBSON; :--: Denfield, Ont Spruce Lodge Shorthorns \& Leicesters
Prent offering: Young bulls and heifers from rrand miliking gams Young bulls and heifers from
amp and ewe lambs, and a chooce lot of Liceoter
and of all ages bred rams and ewe lambs, and ewes of all al ares beicester to
mp. rams. W. A. Douglas, Tuscarora, Ont
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puri -bred registirrid Holstein Cattle

 The maples MITSTETM Merl

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DON JERSEY HERD ${ }^{\text {buffrs }}$ young
 High-class Ayrshires ${ }_{\text {ing a richly-bred }}^{\text {-If }}$

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| :---: |
| Dunganmen |




Questions and Answers. Miscellaneous. Horse Hard to Hold.


 course, I want one that to would be com- of
fortable on her while work Cortable on her while working.
YOUNG BREFDER is very hard to hold, a double or if she hinged, wire bit. hold, a doublo-twisted,

> Witholding Pedigrees.

Would you kindly advise me what ac-
tion to take in the following ease Last February I bought a cow and calf
at a combination sale of puri-bred
tle. tle. I settled for them the eramed eat-
ing. They were shipped to me evengot them in fair condition the, and
day after the sale. after, I wrote sale. Then, some weeks
tificates tificates and transfers. He sent mer my
letter on to the party letter on to the party who contributed
them to the sale. a letter, which was satisfactory for me the
they
time time, but sent no papers. Since then have written, alternately, twice to each of the above parties. The manager
answers in a gentlemanly way, but the contributor has ignored me. way, but th
vertiser I vertiser, I am unable me. sell them an a
registered cattle, whict done in the meantime; as it is
stand have stand for me as beef cattle.
esteemed only esteemed advice will be gratefully ac
cepted. Ans.-We would adD SUBSCRIBER.
write, write, asking that the certificates again to you at and transfers certificates of come to hand, notify they do not then the stock and notily the consigner of
that unleager of the sale that unless they are received before
certain reasonable date be taken to adjust the matter. The
consigner can be consigner can be sued in the Division
Court for damages for breat Court for damages for breach of con-
tract. If the consigner is a member of
a breed association, the matter may be taken up by the association, and he may be expelled for conduct prejudicial to the
interests of the association if he fails to interests of the association if he fails to
produce certifcates and transfers Poultry Queries.

1. Have a cellar which has a strong
odor of mice, often being whitewashen What can I do to remedy this? I cannot make it airtight to disinfect.
2. How many eggs should 2. How many eggs should a hen. lay
in a year to pay for her keep ? 3. For scaly leg, I used a wash of strong, hot suds, followed by an applica-
tion of coal oil. Is this too severe, or tion of coal oil. Is this too severe, or
what is the best remedy, and does scaly leg injure the fowl for table use? 4. Is water on bread injurious to tur-
keys or other young birds? 5. How often in the day should young fowls be fed?
3. Send cure Ans.-1. Cure for corns. Use come commercial d. M.
deodorizer, soveral of which are advertised in
these columns. 2. This depends largely upon care,
feed, and housing feed, and housing. About five or six
dozen, at ruling prices, should cover cost
of of feed, with eggs selling at 25 cents per
dozen. It costs dozen. It costs somewhere from 10
cents to 13 cents per month to feed hen. of course, where the hens have
free range on a farm, and pick up a great deal of food which would other
wise go to waste, the cost would not so high.
4. Kerosene is never as satisfactory as to wash the legs well in soap and water,
using a good, stifl brush to brush it in, then grease with lard and sulphur, a teaspoonful of sulphur to a teacuppul
of lard. One thorough washing, and
two two or three applications of the grease,
say, two weeks apart, should remove the
trouble trouble. It will probably take from one
to two months before the
$\qquad$
$\qquad$
$\qquad$
$\qquad$
. We don't see how it could be. lessening the number as the birds gro older.
5. Get some corn plaster.


STUMPS MINIMIZE YOUR PROFITS How much of your fertile land is occupied and wasted by ( stumps and boulders. Why not blast them with
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Neer Prespott. Ont.
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away and oee those well-bred fellows with high official backing, that you can buy well worth the
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SOUTHDOWN SHEEP





There was a sound of revelry by night The Bloggses were giving a party. night.
Mr. Bloggs had just obliged with touching ballad, ". 'Tis Love That Makes the World Go Round," and Master Bloggs seized the opportunity to sneak behind a
screen with his father's pipe screen with his father's pipe.
Shortly afterwards io was observed that the boy wasn't well. His face was pallid and his eyes stood out.
Cried Mrs. Bloggs : Cried Mrs. Bloggs :
"'Goodness, child,
Coodness, child, what's the matter? Willie feebly you have been smoking
'. 'Tis head. Traint that, ma," he replied, un-
truthy. "If it's true what father's
been singing been
love."
"Before marriage I used to sit up until
midnight wishing he would go home."
"Yes? ?".
"Yes, and since we are married I sit
up until midnight wishing that he would
come home." YOUR WIFE WILL appreciate it when you bring home
a can of SNAP. For cleaning ber a can of SNAP. For cleaning her
hands, after filling the lamps, milking the cows, peeling the potatoos
and onions, there is nothing to equal
$\rightarrow N / A D$
It leaves the skin smooth and
soft. Order from your
soft. $\begin{gathered}\text { Order from your } \\ \text { dealer to-day. }\end{gathered}$
ap Company, LImilted, Montren
$\frac{\text { Sinser }}{\text { SNRP }}$
Mano cetint

## Questions and Answers.

 Miscellaneous.Foal Stifled - Skim Milk for Mare 1. I have a foal about two months
old, and $I$ just noticed last week that odd, and I just noticed last week that
it is astifled. Its stifle slips out and in at is stifled. Its stifle slips out and in
at times, and is a little pufed the front, about the size of your hand, and is quite soft, as though there might
be matter in it, but is not sure be matter in it, but is not sure, nor is
she lame when walking. Sometimes it she lame when walking. $\begin{aligned} & \text { Sometimes it } \\ & \text { leans over on its toe. What would be }\end{aligned}$
ber the best thing to do with her?
2. Is skim milk good, to give the mare
while the foal is sucking her? C. P. Ans.-1. Repeated blistering of the
stifle is the only hope of cure, stiffe is the only hope of cure. Keep
the colt in a comfortable box stall, allow no exercise more than she takes in
the stall. clip the the stall, clip the hair off the outside
and front of the stifle joints every month with a mixturs and blister drams each of biniodide of mercury and cantharides, and 2 ounces vaseline. Rub
the parts well, and the parts well, and in 24 hours ru
again, Have her tied again, Have her tied so that she cal
not bite the parts. On the third da
wash wash off and apply sweet oil. Let loose
now and oil every dey comes off. Cury day until the scale harm, Sweet skim milk could do her n harm, given in reasonable quantity
Many give a little to the

Nozious Weeds, Summer Pruning,
Tent Caterpillars, Whit

1. Is Caterpillars, White Grubs. neighbors, who do not clean thelling your
of noxious wearms as our farm is very carefully down, after regarding growth of weeds?
2. I thought the law provide? 2. I thought the law provided for
fine on seedsmen who claim to ernment-tested grass seed, and I seede
erne sed down fields which were free of weeds and
we got a bad dose we got a bad dose of shepherd's purse
in last year's seeding, also wild in last year's seeding, also wild mus
tard. If one says anything about the
weed seeds, their land is dirty. I wish there were stricter steps taken towards clean seed.
3. Can it is an any injury to fruit trees incm me if June? Let me know as soon as pos-
sible. 4. What do the caterpillars, which trees this spring, turn into; or, what becomes of some that are left, and are
about two inches in length now were lots of them this year ?
5 , as there
when 5. Has there been, up to the present They anything found to kill white grubs? sowed it again, and they are eating that would it be best to let it alon them, or Ans 1. J. J. Ontario, 1897, Chapter 279, Statutes of
Prevent the spread to and of Diseases Affecting Fruit Trees;
the the Consolidated Municipal Act, 1903,
empowering empowering municipal councils to pass
by-laws for preventing the growth of
Canada thistle Canada thistle and other weeds detri-
mental to husbandry, and for compllin the destruction thereof; the Ontario Stat-
ute law respecting the ther 27), to amend the weeds; the Ontario Railway Act (1906),
6 Edw 6 Edw. VII., Chap. 30, Sec. 105. See
especially Sec. 2 of the Revised Ster especially Sec. 2 of the Revised Statute
above referred to 2.
Seeds sold
Sed
Control Act. Seed Control Act. must come under the
4. Many prune in bearing.
5. The caterpillar referred to promo tent caterpillar. It. It builds lo large webs
in the trees in spring. The worm puin the trees in spring. The worm pu
pates, and turns to a small, dull, yet
lowish or reddishlt. lowish or reddish-brown moth, with tw
transverse, whitish lines on the fore wings. pale - yellowis
their eggs in moths la
ring - like ring - like cluster around a twig. The
eggs remain there about nine covered by a protective substance. These
eggs hatch in early spring, just before leaves appear. Early-hatched larve feed
upon the unopened buds till the expand. ing white grulss is isctive means of fight
of crops.
In results have
the crop wit

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Suppos one of your bosese?
dirpeped down wiuth Colic? diopend doun wiuh colic?
What would sucu do? What


 | delay mea |
| :---: |
| horsa |
| lotat | The thing to do it it thaven International Colic Gure Crain ion minte Soar

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tion of stallions and mares, princionaly Percherons and Belgians

Sasatatewewn, according
Smith
Ste Smith, Livestodk Commisisioner for that
Provinoe, has so tor bario this seneser imported from ond attle, consisting mostly of gerade Hol位位, and Ayrshire temales, from two to



 is extremely probable that ero the work
ot
ot the season
ceases, wo
shall import atoot sis moron catases, woshil import


 arg to avoia doterioration of the stoik
Theose animals are supplied to purcheoer at their actual cost prico to unchaber burchaes is supplied with an itemizod
 animals, and the additional expenditure
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herd, which averaces herd, which averages about $10,000 \mathrm{lbs}$
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27159 , is now five 27159 , is now five years old. His heif-
ers are of breeding age, and he is for ers are
sale. He is sired by Imp. Lessnessock
Royal Monarch, and out Royal Monarch, and out of Imp. Gardrum Mearns. His breeding is unexcelled,
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ity
and and has never been beaten, while as a sale includes mature cows, heifers colves
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by the stock bull, and whose dam in
April gave 961 , 1 , malks. April gave 011 lbs . milk; May 966 lbs ., and June 1,111 lis. Parties wanting
Ayrshires should get in touch with the
manager, W. H. Furber Cobourg P manager, W. H. Furber, Cobourg
There are also for sale a numbe
young Yorkshires of young Yorkshires of both sexes.

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a yearling he won first at Winnipeg Brandon, Calgary, and Regina, also Championship at the latter. From such a sire as this, and out of daughters o
imported prizewinning rams for severa imported prizewinning rams for several
generations, is the kind of breeding this
frm is offering for sale this year generations,
firm is ofering for sale this year. Late
ly, nine shearling ewes and one ewe
ene lamb have been sold for the Weste
shows, and nine sheariing rams for floc
headers headers. Orders are now being booked
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