

Sixth Annual Special Household Magazine Number

VOL. XXXII.

NUMBER 41

FARM AND DAIRY

AND

RURAL HOME

Dairy and Cold Storage
are Contained in
D-13

PETERBORO, ONT.

OCTOBER 9

1913



Lending Encouragement to Beauty

THE
"Simplex" Separator
 Is as Simple as
A. B. C.

DON'T get away with the opinion that the "Simplex" is complicated, like other machines. It is as simple in construction and operation as A.B.C.

BECAUSE of the simplicity and minimum of working parts, it can scarcely get out of repair and will last a lifetime. Surely this one great factor in itself should be enough to convince you that your new Separator should be a "Simplex."

BUT several of the other important features of the "Simplex" are:

- Easy to Run
- Easy to Clean
- Low Down Supply Can
- Interchangeable Spindle Point
- Self-Balancing Bowl
- So Quick in Separating

WE can't begin to give you the full particulars covering each one of these "Simplex" features, but we'll be glad to send you descriptive matter giving all information you want about this peer amongst cream separators. Drop us a card.

ALSO tell us how many cows you milk, and we will give you estimates of what it will cost you to install the B-L-K Mechanical Milker in your stables. Ask for free booklet.

D. Derbyshire & Co.

Head Office and Works BROCKVILLE, ONT.

Branches: PETERBOROUGH, Ont. MONTREAL and QUEBEC, P. Q.

WE WANT AGENTS IN A FEW UNREPRESENTED DISTRICTS



NOBODY WORKS BUT MA—ON SUNDAY

This cartoon was intended by The Winnipeg Telegram for its city readers. Does it not also have some significance for country people as well? On Sunday the men folk on the farm have necessary chores to which they must attend, but otherwise work is cut down to the minimum. In too many cases, however, the housewife finds Sunday her busiest day. The Sunday dinner is made a weekly event of importance. Why not dine more simply on Sunday and give "mother" a needed rest?

In Praise of the Farm

H. Georgia Toole, Ontario Co., Ont.
 There is no place on this old earth so dear to me as the farm. Joy to others the hurrying crowd, the clanging car and the endless hustle and bustle of city life; but let me have the wide fields, the deep, calm silence of the wood lot and the whip-poor-will's plaintive evening song.



Miss H. G. Toole

Connected with almost every phase of farm life is something beautiful, if we look for it. The day on the farm begins at five, but something is gained by this early rising. What is it? The colors of sunrise have not yet faded from the sky, a belated robin or two pipe a morning song, the grass upon the lawn sparkles with dewdrop diamonds and we drink in more beauties of sight and sound in two hours than the man living midst walls of brick and pavements of stone absorbs in two days—perhaps two weeks.

CHILDREN ON THE FARM.
 What an environment in which to bring up a family! The city woman locks her children in a back yard that could easily be enveloped by a farmhouse kitchen, and to permit them out of that area means danger to life or morals. Little ones on the farm have the scope of large gardens which hold for them all sorts of delights, and the larger children roam unrestrained through field and wood, learning Nature's mysteries and growing stronger and healthier each day.

Many a farmer's son has strengthened mind and muscle investigating the secrets of the crow's nest in the lofty pine. Many a rural daughter has dreamed dreams of romance on the banks of a babbling brook. Could they fail to be pure, born prompted by her own maiden heart and interwoven with the music of sparkling waters?

Father may not wear his hair in the latest cut, but he is good and true and the beauty of summer sunsets, the sweetness of the warbler's song and the strength of the stalwart cut have passed into the soul. Mother's gown may not be designed from the most fashionable style, but she has the poise, the calm and the tenderness taught through Nature by Nature's God.

But my feeble pen fails to give utterance save in a faltering manner to my feelings in praise of the farm. Let us as sons and daughters of the farm give thanks that the lines have fallen to us in such surroundings.

Orchard and Garden Notes

Final banking of late celery should begin now. Save seed for the best annuals and perennials for sowing next year. Tulips, narcissi and daffodils may be planted in pots or boxes now for spring flowers.

Nuts for winter use should be gathered now if the matter has not been attended to before. Viburnum Lantana, highbush cranberry and snowberry have been loaded with attractive berries this autumn. Celery banked with earth late in the fall seems more palatable than where boards are used. Do not haul when the foliage is at all moist as this will aid decay.

Xmas — Only — Ten Weeks

Do you realize that we are almost at the end of another year? We are right now preparing for our last big special. The excellence of this and our others is not an earnest of what we are planning for our

GREAT FIFTH ANNUAL Breeder's and Xmas Number

ISSUED DECEMBER 4TH, 1913

Yes, it will be out just when "Our People" are prepared to start their Xmas trade. Their spending money power will be above all previous years. Why? Because this year "Our People" have incomes aggregating \$35,000,000, or more.

Our "live fellows" are now out to secure the full advantage of the service we render on December 4.

Are YOU reaching out for YOUR share of this big melon? "First come, first served." is our motto. Secure your space now while you think of it.

Issued Each Week

Vol. XXXII.

NOTHING a strength a work to do



Laura Ross Stephen

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Issued
Each Week

FARM AND DAIRY

&
RURAL HOME

Only \$1.00
a Year

Vol. XXXII.

FOR WEEK ENDING OCTOBER 9, 1913

No. 41

The Division of Labor on the Farm

NOTHING gives to one such character, strength and energy as having definite work to do with a definite object in view.



Laura Rose Stephen

A boy is sauntering idly along the road—a woman hurries down the lane and asks him where he is going. "Nowhere in particular." "Then run to Mrs. Stewart's and tell her to 'phone for Dr. Dow. My little Johnny has just fallen and broken his arm." No need of the added "Please hurry." In a moment the boy becomes electric,

Suggestions that Apply Outside as well as in the Home

Laura Rose Stephen, Huntingdon Co., Que.

farm like to be consulted. It makes them feel that they are creatores of brains; not mere machines. For best results there should be a division of thought as well as of physical energy.

A MODEL FARM MANAGER

Several times I have visited on a large farm in the West. The father is first up; he sees that the men are roused and that they look after their teams properly. He gets them started to the fields in good time. Then he does the chores; helps

milk, feeds the pigs, sheep and chickens, and looks after things in general. He has a workshop with a forge in it; anything out of repair passes through his hands, and many a dollar and trip to town is so saved.

This man has found that the average hired man can not be trusted with the important job of doing the chores—that he is apt to waste the feed, neglect the stock and not look after things in general—nor is it to be expected. The farmer, by doing the chores himself, keeps his eye on all the animals and can thus study their needs. Many small leakages are stopped and things kept in better shape. If wanted at the 'phone or by callers, he is near at hand. And as he is not so

young as he was 20 years ago, he can slip into the house and stretch himself on the sofa while he has a peep at the daily paper. This farmer has no big grouch about farm work or farm help. Each man has his own special work and the farmer his, and all are happy.

SPECIAL DUTIES FOR ALL

The hired help should know what is expected of them. If you wish to keep them content assign regular duties to them, so far as is possible, on a farm. Except in the rush season, have a certain hour for beginning and ending the day. Other businesses are run on these lines and succeed—so can the business of farming. The never-ending day, and not knowing what unlooked for job may be thrust under one's nose, has disheartened more boys and hired men and sickened them of farm work, than any other cause.

As well as a division of labor there must be a division of play. 'Tis so much better that the master should plan to let his sons or help off to the ball game, circus or fair than that they should come to him to ask leave to go. Cooperation, when used in its biggest and fullest sense, is a big word full of big gratifying results. Cooperate in every possible way one with the other. If the day is long and the work hard, have the hay in the manger and the stalls littered—a division of labor that the weary man of the plow will not fail to note and appreciate.

But I must not stay with the men too long. We have still to see to the women and children.

THE WOMAN'S TASK MOST DIFFICULT

Oh the women! Their's is a work hard to divide, for in so many cases there is but one pair of hands to do



Assistance Willingly Given for the Good of the Family

This illustration, from a photograph taken in Huron Co., Ont., opens a much discussed problem: Should the women-folk be expected to assist in any work outside of their own homes? So many and various have been the opinions expressed by first discussed. Can it be solved? Doesn't it all depend on circumstances? But in most cases have not farm women quite enough work in connection with their household duties.

his eyes shine, to his cratwhile lagging feet are given the wings of Mercury. With hat in hand, he fairly flies down the road—he is going somewhere—he has definite work with a definite object.
Ruskin says, There is no healthy thought without labor, no happy labor without thought. That we put no real thought in our labor accounts for much of the drudgery we find in work.
The only thought about work that many men and women, yes and even the children, on the farm have is that they can go on and on toiling with no end in view, nor moment of leisure. Life has become to them a veritable treadmill of drudgery.
An intelligent division of labor, assigning to each hour or day its task—doing at the proper time the urgent thing that counts most, would greatly help matters; in fact, it is the only way to bring order from chaos, and contentment from strife.

THE OWNER MUST LEAD

The head of the household,—and I like to consider the man worthy of occupying that position—should have his own special duties and should see to it that he is there to see to them. Can't expect the hired man to be up and doing while the master is snoring in bed. The head has to go first and set the pace for those who follow. The master should plan the work and see that everything is in readiness. It is wise to talk over ways and means with the boys and hired help. They will become interested, keen co-work-

A man I know has failed utterly to win the interest of his help or retain their services, and this is due to his inexperience. He never comes down from the pedestal to take things over or ask advice. The boys and men on the

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everything. Then the division of labor should be a mechanical one, preceded by the judicious expenditure of some money. A woman has every right to have proper up-to-date machinery to assist her and lighten her labors, just as much as a man. A man gets it, a woman gets along without it. Pardon the language—the bigger fool she is for so doing.

Let there be a division of labor—the motor washer, wringer and mangle doing their share of the laundry work, the vacuum sweeper, dustless brush and self-wringing mop, assisting in keeping the house clean; the coal oil stove, fireless cooker, or new range helping along with the cooking. It is a division of labor all right, and one that needs attention drawn to it, for these are helps often found wanting in the home.

WHEN SEVERAL HELP

If there are a number of women in the home a dividing of the duties lessens the misunderstandings and confusion and the machinery of the house goes on more smoothly. The duties should be assigned according to the health, strength and adaptability of the workers. Old people prefer to wash dishes, get the fruit and vegetables ready, and do the darning and mending; mother looks after the bread and butter and cooking; while the girls do the room work, fancy baking, setting and clearing away the dining table, etc.

That seems all right; nevertheless I have known it to be all wrong. I have known farm girls who

just before they were married (and they didn't marry in their teens either) had to hurriedly learn to bake bread, make butter, draw a fowl, and not until after they had a home of their own had they ever cleaned a fish or cooked the roast. The division of labor in their homes had been so clearly defined and resolute kept, that the girls were dwarfed in their limited knowledge of house work and sphere of usefulness.

We talk and practice rotation of crops for the good of the land; for the good of our girls there should be rotation of labor. A week, or fortnight, or month in the kitchen, then on to the sweeping and dusting and general care of the house, then perhaps a spell in the sewing room, and from there to the laundry and dairy.

I am a strong believer in division of labor, but equally strong is my belief in a rotation of household duties to develop the girl into an all-round good housekeeper. Two sisters, close friends of mine, get up week about to prepare breakfast and do the kitchen work. So often one member of the family is imposed on in this respect and becomes the drudge.

WORK OUTSIDE THE HOME

Some see sympathetically—Women should never mind! These same emphatic people have too often a very meagre idea of farm life.

Lots of women, splendid women and splendid milkers, would rather sit down to a cow, than down to a darning basket. Why deprive them

of the pleasure? Conditions only can solve this problem. Where a number of cows are kept and only one man on the farm and several women, it seems but right they should do a share of the milking. On the other hand it is imposing on an overwrought busy housewife to ask her to go to the barn.

Again these emphatic people say, "No man with any self-respect or consideration for his womenfolk will have them work in the fields." Both at home and abroad, in the east and in the west, I have seen women at work in the meadow, the vineyard, the orchard, the harvest field—cheerfully, willingly helping the men at times when all hands seemed necessary to safely garner the crops.

Often the tillable acreage is small, requiring no hired help. When the few extra busy days come the women give their aid, nor do they mind it for they have been used to so doing since girlhood.

THE OUTSIDE PROBLEM SUMMARIZED

We do not advocate nor perhaps approve of seeing women in the fields, believing that the strain of the work is too hard for them, and that they have enough duties to see to inside the home. Still there is a pleasing, helpful, cooperative about seeing a man and wife or grown-up daughter drive off together to the hay field. We do well to consider all circumstances before passing harsh judgment.

(Concluded on page 27)

Plants the Whole Winter Through

A GAIN October comes, and the changing season, with shortened daylight, is plainly visible. What a beautiful month October is, with its varied colorings of tree and shrub! There is already a change in the aspect of Nature as if the wonderful growth that has had its day is ready for a rest. More than once have we felt the touch of frost in the air, touching the vines and withering their tendrils.

"O thine is a wonderful kingdom,
October, and thou art a queen,
Fit to rival the glowing Egyptian
In splendor and queenliest mien.
The frost king, an enemy strongest,
May conquer thy realm with a blast,
But thou, in thy dying remanent,
A sovereign and queen to the last."

GOOD FRIENDS WHEN OTHER FAIL

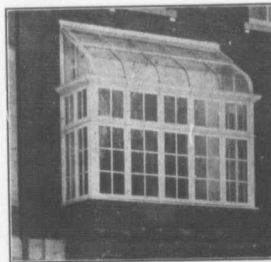
Precious seem the later flowers, and how thankful we are for the more hardy varieties, such as the asters, stocks and the pansy, for they have withstood the early September frost, and have gained vigor with the rain, and bloom cheerfully on, looking more brilliant than ever, since the more tender plants have been nipped and withered.

I hope none of our house mothers have left the task of repotting for winter too late, or some of our most beautiful plants will by this time have come to grief. I am sure very few of us were prepared for the early frost of September the thirteenth.

I find by my experience that the proper method is to grow the plants out of doors all summer that are to bloom in winter, nipping off the buds, as by that method there is a surfeit of flowers, instead of saving plants exhausted by the summer's blooming. It is always a question of what shall we save, for the tender-hearted flower lover has compassion upon all the flowers in her garden, and naturally would like to shield them all from the frost and cold. We should not save more

A Lover of Flowers, the Wife of One of Canada's Leading Dairy Farmers, tells how She Makes the Interior of her home Attractive and Beautiful, even In Winter. Pointers on the Handling of Common indoor Plants and Flowers.

Mrs. J. W. Richardson, Haldimand Co., Ont.



Good Type of Window Garden

What woman is there who does not appreciate the charm that flowers give the winter living room? A conservatory may be expensive, but a window of the type shown in the illustration herewith is satisfactory for flowers and within the reach of all.

than we can properly accommodate, as flowers should not be crowded, and must have fresh air, light and ventilation.

INDOOR PRECAUTIONS.

One of the main points in the successful handling of house plants is to give them a moist atmosphere, and arrange them so that the sun-loving plants will get the sunshine, and the shade-loving plants the shade. Cold draughts are very injurious to plants, so ventilate from the tops of the windows unless the weather is mild and warm.

Since our house is heated and lighted through out with natural gas, we find it necessary to study

and select plants for winter growing that will thrive in gas-heated rooms, as the air, as a rule, is much drier, and causes the bloom to dry up before it is fully developed. To keep the atmosphere moist, it is necessary to fill the water box of the furnace every day, and to sprinkle the plants with tepid soft water every night. By sprinkling at night, the plants are dried off before morning and there is no danger of the sun spotting the leaves. However, some plants should not be sprayed, such as the Rex begonia, owing to the rough nature of the leaves, and care should be taken not to spray the bloom of plants. Spraying also helps to keep them clean, and lessens the danger of insect pests.

A FLOWER FOR AMATEURS.

Geraniums are general favorites, and seldom fail the amateur, on account of their easy culture, and thrive best in the sun's full rays.

For winter gardening I have been most successful with begonias. They require little attention, and are seldom attacked by insects. They thrive well in a north or east window, with very little sunshine, too much sunlight bleaching the leaves. I water plentifully, then not again until real dry. Sometimes I leave them until I notice the leaves dropping. I now have 14 Broad Angel Wing and varieties, and find the Paul and the Manicata are some of the best varieties. The latter grows to an immense size, the leaves are beautifully marked and spotted, and of a thick leathery texture. The tall, delicately colored bloom makes an attractive window decoration. I also take up a few healthy coleus and patience plants. They delight in a sunny situation and in March take on a fresh growth, and I always have an abundance of slips for spring planting.

NON-BLOOMING PLANTS FOR WINTER.

A few of the non-blooming plants that I have thrived well in the winter are Boston and Apple

(Concluded on page 9)

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An Old Home Made Modern and Attractive

What One Woman and her Husband Have Accomplished, at Comparatively Little Expense, in Remodelling an Old Frame Farm House, and making it one of the Most Inviting Places in the Community.

Chas. C. Nixon, Brant Co., Ont.

As will be seen from the illustrations the house is a frame structure of a type very common in the olden days. It had plain old-fashioned windows; and as I remember it there used to be an old-fashioned tumble-down verandah at the front. Behind the main part of the house there used to be one of those barn-like combinations of kitchen, summer kitchen and wood-house. The lawn, if there was anything that could be called a lawn, was practically as nature left it. A few old apple trees, badly in need of pruning and other good orchard management, were the main adornments for shrubbery and for shade.

Now note the improvements that have been made since then: "Good old days!" First of all, notice the main illustration of the house, showing the new front porch, also the comfortable verandah at the end of the house. Note the balcony above the porch and also the spacious one above the verandah. Note the alcove or dormer window in the centre front of the roof, which altogether changes the appearance of the old-time house. The glass in one large pane, with the colored lights above, for the windows of the first storey of the house, and the two big lights in each of the upper storey windows are most noticeable.

The closer view, showing the other end of the house, gives a better idea of the front porch and of the windows. It also shows the bay window, which has recently been built on, lending a charm quite distinctive to the outside appearance of the house and making a delightful transformation in the parlor inside. The vines, the shrubbery and also the cement walk with the steps down the terrace, to be seen at the extreme lower right of the illustration, are each worthy of notice.

ATTRACTION EVEN OUT BEHIND
Then let us go around and view the back of the house where so many people would not have one go, especially with a camera! Note the tidy porch in the illustration, which makes such a beautiful setting for this rear corner of the house. Note the vines and flowers and the cement walk leading into the kitchen; also the perennial border close to the wall. As I commented to Mrs. Waite on the unusually attractive appearance of her home, and expressed my surprise and delight at finding it so nice and even (Continued on page 11)

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One Unpretentious, Now Attractive—Read How the Change was Wrought, in the Article Adjoining.

Overcoming Hard Work by Machinery

Wash Day Made Easy in Two Homes by Harnessing the Gasoline Engine—The Churning Likewise.

I WAS delighted recently as I chanced to call at the farm home of Mr. Jas. Currie, in Waterloo Co., Ont., one Monday morning—wash day—and found Mrs. Currie happily engaged at the weekly wash. I use "happily" advisedly, because her washing machine was being driven by the farm gasoline engine!

Just how the thing is accomplished in getting the power into the kitchen may be seen at a glance from the three illustrations reproduced herewith. One illustration shows the little power house, wherein is a small gasoline engine, which cost but \$95. From it to the left a line shafting extending probably 80 feet to the well at the barn, where the pump furnishes water to both the house and the barn. From the right of the little engine house may be noted a rope transmission drive leading up to a window of the kitchen. Inside note the power attached first to the washing machine, then to the churn, both of which are set slightly aside in order that they might be photographed.

Most women folks have had experience at the old wash tub and with the washing machine; a great many are not unacquainted with the work of churning! All will appreciate just how much labor Mrs. Currie has been saved during the last five years through having her washing machine turned by the gasoline engine!

When so many women folks might just as well have all of their work of churning and washing done by means of power, I have often wondered just why it is that more of them do not insist that in the farm home they share in the labor-saving, which all progressive farmers are installing and would not do without in their barns!

At Mr. Currie's, the only cash expense for this equipment was for the gasoline engine. The wheels are old ones that were available, or they were carved out of wood at home on the farm.—N. C. Campbell, Brant Co., Ont.

How to Make Wash Day Easy

H. Percy Blanchard, Hunts Co., N.S.

THAT handy little "chore boy" about the farm, the light power gasoline engine, is finding that it can work as well for the ladies in the house as for the farmer himself around the farm.

Passing by the valuable work the 1½ h.p. engine will do in the barn—running the cream separator, grinding roots, pumping water, etc.—the call comes for "Little Hustler" to move down

on Monday morning to the kitchen or the shed nearby, to oblige the ladies.

Everyone knows what Monday morning is, or used to be. It is "wash day" (accent on "day"), and all day at that. But not for us of late, thank you. "Little Hustler" does his little stunt, and long before dinner time the clothes are on the line.

We first purchased an automatic washing machine. Care was taken to get with it a belt wheel that would suit the speed of the engine. We wrote, in ordering the washing machine, that we used a 1½ h.p. motor.

INSTALLING THE MACHINE.

The washing machine was first fastened firmly to the floor; then the engine aligned with it so the belt would run straight. This needs a machinist, or someone who understands. Once the engine is set, slats nailed around it to the floor will fix its position, and it can be removed and again put in place inside the slats with no trouble. A little powdered rosin on the belt prevents a slack belt slipping.

When wash day comes, the engine being in place, the tub of the washer is filled with clothes; a chunk of soap added, and boiling water poured in. The switch on the engine is closed, oiler turned up, a squirt of gasoline thrown into the air inlet. Then the girl in charge takes hold of a little handle and whirls the flywheel around, and then off starts the engine. It is all so easy that a young woman looks after the engine without any more question than running a carpet sweeper.

A WORK OF FEW MINUTES.

The engine started, a lever on the washer is pushed, and back and forwards a dasher begins to work in the tub, until in from five to 15 minutes the clothes are washed, thrown out of gear, and the cover of tub lifted.

On the side of the washing machine is a wringer, also driven by power. A small lever controls the wringer so it goes forward, stops, or backs. With lever ahead, the clothes are lifted from the washing water and steered through the wringer, the white clothes probably falling into a basin containing bluing water. When all are through, the cover is closed, the wringer reversed, and the white clothes wrung from the bluing water, and then carried to the line to dry. It is so quickly done! And not an effort that even the weakest might not put forth.

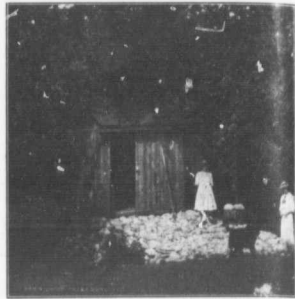
CONSERVING HOT WATER.

The cover of the tub being almost always closed, (Continued on page 27.)



Would That More Were Thus!

Wash day has been made easy in the home of Mrs. Jas. Currie, Durham Co., Ont. Churning too has been lightened by the proper hitching of the gasoline engine to this household task. How it is done is described in an article adjoining.



A Source of Power for Kitchen Work

Inside this decidedly unpretentious structure is the gasoline engine that runs the churn and washing machine and pumps the water for the Currie home in Durham Co., Ont.

City or Country for Education

Mrs. Jas. Wilson, Halton Co., Ont.

WHEN my husband announced, over a dozen years ago, that he had at last secured a small farm that just suited him, and that we would move to the country forthwith, I was in despair. I had been brought up on a farm and had an intense love for country life, but I was fearful of the effects of a country environment on my children. I placed great value on the educational opportunities of the town. I placed too great value on the polish that town life seems to give to boys and girls.

My dozen years in the country have given me a new perspective and I have learned some great truths that I believe should make every country mother content. I have found that the best man or the best woman is the one that grows from the inside out and not from the outside in.

I don't refer to physical growth. I refer to mental, moral, and spiritual attainments.

The city boy as I remember him and as I still frequently see him, grows from the outside in. Right from babyhood he has plenty of playmates and is constantly brushing up against other children. Unconsciously the child imitates his or her playmates, is robbed of personality, and while the city child gains thereby a polish and readiness of tongue, it is at the expense of real development.

WHERE INITIATIVE IS DEVELOPED.

The country child must be necessarily developed from the inside out. Playmates are few, amusements must be manufactured at home. Consequently the child develops initiative, the ability to think for itself and do things for itself, and these are the qualities that make for success in the world.

I once heard an Institute speaker express the same idea in this manner. He compared children to rocks. Take a heap of rocks, he said, broken from the original boulder, and they are rough, irregular, and sharp-edged. Each rock has a shape of its own and characteristic of its own. Put those rocks in a box that is constantly revolving, and in time, by rubbing against each other, all of the sharp edges and irregularities will be worn off. Each rock will be smooth, and each rock will be exactly like its fellow. We might say that they will lack personality.

There is the difference between my country boys and your country boys and most city boys

Our boys have their own. So having nothing to lack in a country

get that poor children are there is no doubt about it. In the most of the children. Many were in a manner and

When I came to the country that the children had led me to make. I had made plans to live your own life.

Children who hear sharp parents and

the

MY husband's book. I and my

house in groceries myself and children my husband gives if not, I go with have it, I give has as much right as the man.—M

A True

Mrs. J. E. I AM glad that the subject of

I pleased to go husband's, as his

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the matter, I to But that was not married me he to as partners we are said, "There is this I do not expect foolishly; but take I saw his point of to me to live to That was years

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Our boys have a personality that is all their own. So have our girls a personality that is lacking in a child of city breeding.

Our country mothers, however, should not forget that personality is not everything. Our children are bound to develop personality, but there is undesirable as well as desirable personalities. In the district of my childhood home most of the children had developed the former. Many were rough and almost uncouth in their manner and absolutely uninformed.

When I came to realize the great opportunities that the country life into which my husband had led me would give to my children, I immediately made plans for the developing of a right kind of personality. Of course the main factor is to live yourself as you would have your children live.

Children who hear coarse language at home, who hear sharp words exchanged between their parents, and who see everywhere evidences of

slovenliness and carelessness, will soon be using sharp words themselves and will be slovenly and careless in their appearance and manners. These are some of the small points that we parents must always pay heed to in developing the right personality in our children.

Nor have I found the absence of public libraries and high class schools a disadvantage in our country home. I believe that the biggest aid to the development of personality is a well-stored mind. And a well-stored mind is not the result of omnivorous reading of recent fiction, such as the town child ever finds ready at his command at the nearby public library, but the careful reading of standard books and magazines. I would much rather give my children access to a few standard novels, such as those of Scott, some of the works on political economy, such as those of George and Mrs. Fawcett, another on Nature Study, and access to such magazines as "The Outlook," "The Canadian Magazine," or

"The Literary Digest." Of course, I would include in their list of reading good agricultural books and the leading farm papers. This reading, of course, after they have passed the story-book stage.

Such reading as this I have observed will do more than anything else to develop a strong thinking man or woman. I believe that my children have had an advantage in their reading in living in the country. In the town there are so many things to detract from attention to reading that children grow up without the power of concentration.

And finally, let me say that the reading found in our library is above all other things the source of our contentment. One with a well stored mind and a well filled bookcase or magazine stand, does not need to worry because of lack of many companions and places of amusement. Satisfaction of a much higher character and most lasting may be had as the fruits of reading.

How Shall the Income be Apportioned

Several View Points on what is often a Burning Problem.

MY husband and I each have our own pocket-book. I have all the proceeds of the butter and poultry, and with this I keep the house in groceries and home linen and clothes myself and children. When I have not enough, my husband gives me what I need if he has it, if not, I go without. If he needs money and I have it, I give it to him. We think the woman has as much right to the handling of the money as the man.—Mrs. T. S. McGin, Grey Co., Ont.

A True Partnership Basis

Mrs. J. E. Caldwell, Carleton Co., Ont.

I AM glad that Farm and Dairy has taken up the subject of the farm pocketbook, and I am pleased to give my idea of it, and also my husband's, as his ideas and mine correspond.

Previous to my marriage for five or six years I had my own money, and when I married I thought I would still like to have a stated sum that would be my very own. When we discussed the matter, I told my husband what I desired. But that was not his idea. He said that when he married me he took me into partnership, and that as partners we shared alike in the business. He said, "There is the cash box; spend what you need. I do not expect you to take extravagantly or foolishly; but take what you need." And I did. I saw his point of view and I also saw it was up to me to live up to my husband's trust in me. That was years ago, and we have yet to have

our first unpleasant matters. Whatever into the one pocket-book, and I am sure I did not spend one dollar more (and maybe less) for having the privilege of taking what I needed.

Men make a great mistake when they put their wives in the humiliating position of having to ask for every cent they need—and very often refuse to give it even when she has lowered herself to ask for it. It certainly lowers a woman in her own estimation to have to beg for what should be hers without the asking. And what, perhaps, is worse, it lowers the husband, too. He loses something more precious than silver or gold or

word in regard to money was sold on the farm yet

afraid many men are penny wise and pound foolish, for depend upon it, no man loses when he



A Home Built by Two People Who Are Really Partners

This is the home of Mr. and Mrs. F. V. Woodley, Norfolk Co., Ont. In this home, as in the homes of the other competitors in the Inter-Provincial Prize Farms Competition conducted by Farm and Dairy in 1913, the spirit of cooperation and mutual helpfulness was one of its most attractive features. Mr. and Mrs. Woodley, working together, have established a splendid farm and a farm home that must be classed with the very best.—Photo by an editor of Farm and Dairy.

has married a good woman by trusting her. And I am sure there are few men who will admit he is not capable of selecting a good woman for his wife.

In the greatest of all books we are told that "In a good woman the heart of her husband may safely trust, and she will do him good and not evil all the days of her life."

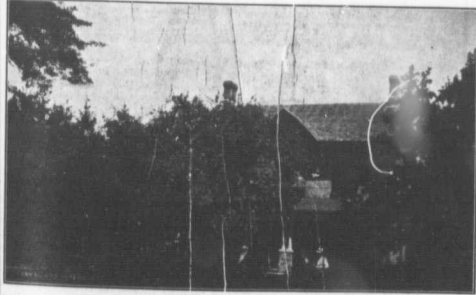
The Principle of the Farm Partnership

Mrs. Constance E. Hamilton, Peel Co., Ont.

MARRIAGE is usually regarded as a partnership and the business undertaken in establishing of a home. While the man usually provides the material for the home, the woman is called the home maker and brings to the establishment that peculiar indefinable atmosphere without which no house is a home.

The man earns the living, while the woman in marrying resigns her liberty as an independent wage earner, but becomes none the less a worker and provider. Business partners usually share alike financially. Is there good reason why this marriage partnership should be conducted differently?

Let the husband and wife divide the finances (Continued on page 22)



Another Home Built on the Partnership Plan

This fine farm residence is the home of Mr. and Mrs. J. C. Bales, York Co., Ont. whose farm was a successful competitor in the Inter-Provincial Prize Farms Competition. In fact, well rounded success such as that attained on the Bales farm is made possible only through such cooperation.—Photo by an editor of Farm and Dairy.

houses or lands when he loses the respect of his wife. There are few women who would not be so proud to feel that her husband trusted her business ability and good judgment that she would do her utmost to spend all money to the very best advantage for both. And I think we all understand that if the firm we belong to is not prosperous we are not. And why should my husband think I would not use our money carefully? Are not his interests my interests? But I am

Quirks on Poultry Management

Bessie M. Main, Victoria Co., Ont. I usually have about 200 laying hens in my charge, and have them divided into pens, each pen accommodating about 13 hens. These pens are 12 feet square and six feet 10 inches high. The roost board is 12 by three and a half feet.

Three feet at one end is taken off for the use of clucking hens. These clucking houses are not meant for setting hens, but are used to put the hens in when they are not required for setting. Two sticks or scantlings nine feet long running lengthwise of the roost board and one foot up



"The Proof of the Pudding"

Are women naturally poultry experts? A visit to the farm of LeJay McKee in Victoria Co., Ont., would make one think so. The large flock of White Wyandottes she has is entirely in charge of Mrs. Bessie Main, who writes something of her methods in the article adjoining.

from it serve as perches. A place made underneath this roost board at the opposite side from the clucking apartment, accommodates the nests, which resemble a drawer, and are made 15 inches wide and 14 inches high, the length being divided into four nests. The door on the front comes down on hinges, and it is fastened back into place again with a hook and eye. The hens enter the nest from the back, which is open.

A water basin is placed in the partition 12 inches from the floor. One basin supplies two pens. The front of the pens have a door and two windows, with an outside run 96 feet long and 12 feet wide.

All are set in cement. When setting, we scatter a couple of wheelbarrows of sand over the floors, and about a foot of straw on top of the sand.

FEEDING In summer time I feed my hens grain in the morning, raw vegetables at noon and a mash consisting of bran, oat chop, corn meal and shorts, mixed with cold, soured separator milk. I also add a quantity of ground bone to this mixture. I always make sure to have these mashes thick and well mixed together.

I make a practice of having the male birds separated from hens during winter. I place them in the pens again six weeks before I start to collect eggs for hatching. In most cases when male birds are placed in a pen they will fight. To prevent this I cut down their spurs. When I am putting the male birds back with the hens, I always put young male birds with old hens and old male birds with young pullets, having 13 hens to a male bird.

Every poultryman should be a militant. He should continually be at war with lice and mites.

Original and Otherwise

A variety of grain is always preferable to an unmixed ration. Lice can become great grandmothers in 24 hours. Hence fight them constantly or they will get the start of you.

Did you sprinkle the floor of the hen house two or three times a day in the hot weather last summer? If not try it next.

Did you compare your poultry with those at the agricultural fair? It is sometimes hard on one's vanity but a stimulator nevertheless.

We suppose all of the ducklings are no profit in keeping them over 10 or 12 weeks. If you still have them they are eating their heads off.

The chicks are getting too large for their small over crowded coops. It's about time to be getting the pullets into winter laying quarters. They will do better separated from the male birds.

Plants the Whole Winter Through

(Continued from page 4.)

gus ferns, kentia belmoreana palm, antiferium, rubber plant, and the aspidistra; the latter resents too frequent watering.

In repotting geraniums, bulbs and strong growing plants, use one part of sand to eight or ten parts of soil. For begonia, fuchsias, coleus, palms and draecenas two parts of leaf mould can be used in addition to the sand. Water newly potted plants liberally once, then sh-ds for a few days. Too much water given newly potted plants often does them harm.

A POINT NOT TO BE NEGLECTED The drainage of house plants should be attended to regularly. Many plants die from over-watering, and from standing in water in the saucers. In a short time you will notice the leaves turning yellow and dropping off. Plants in pots set in saucers should be examined every day, as the water becomes stagnant, and soon injures the plant. It is a safe plan to lift them out of the jardiniere overnight.

For winter bloom we find the flowering bulbs best suited to our gas-heated rooms. We have tried the azaleas and poinsettias, but without success, as they require greenhouse facilities.

To have success with bulbs it is necessary, first, to have plenty of drainage; second, to give plenty of time for the growing root growth before forcing; third, to have the right kind of soil, rich, yet light and porous. Failure in not giving sufficient time for root growth is sure to bring disappointment. Nearly all of the bulbs require at least six weeks, but 10 are better, to develop strong roots before being forced. I have not been successful with freesias, but hyacinths, both single and double, are very satisfactory for forcing. The paper white narcissus is a great favorite, as it requires less time before blooming than some of the other varieties. The double daffodil and tulip, two or three planted in a four-inch pot, make a pretty decoration for the table.

A POINT IN POTTING BULBS. When potting bulbs, examine each one, and if there is a crust on the base, cut it off gently, or the strength of the bulb will be weakened by the efforts of the root to get through. When ordering bulbs, order early, and secure the best.

It is not necessary to plant all at once, but arrange to have a succession of bloom. What is more cheery during the winter months than a few pots filled with bright colored hyacinths, crocuses, tulips, or jonquils?



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A NEW MARKET FOR PRODUCE FROM CANADIAN FARMS

A Synopsis of the new United States Tariff Regulations and a Forecast of what they may mean to the Canadian Producer.

THE Underwood Tariff Bill has become law. One stroke of President Wilson's pen has opened the heretofore highly protected markets of the United States to the Canadian farmer, his products going in either free or at very moderate duties. To compensate the United States farmer, the government gives him his implements, harness, boots and shoes and many other articles of common use, free of duty. Likewise he will benefit by material reductions in the duties on iron and steel goods, woolen and cotton fabrics and clothing.

Canadian live stock men will be the first to benefit by the new regulations, as they will be seen by the following comparison of top prices on the Toronto and Buffalo markets at the end of last week, previous to the signing of the bill.

Table with columns: New U.S. Duties and Old as Former U.S. New U.S. Article Duty. Duty. Includes items like Cattle, Horses, Poultry, Sheep, Barley, Beans, Buckwheat, Corn, Oats, Peas, Eye, Wheat, Bran, and Wheat Flour.

parts of Western Ontario can ship more cheaply to Buffalo than to Toronto. Cattle men of Western Canada have been using the Chicago market steadily in spite of the duty. Dairymen, too, will benefit by the new regulations. Milk and cream, formerly taxed at two cents an imperial quart, now passes the border free of duty. This will be of great advantage to dairymen living near the border who have had a lucrative trade in cream with the United States in spite of the old duty. Butter and cheese, formerly taxed at six cents a pound, now enter at two and one-half cents. Expectations of the passing of the bill have bolstered up the butter market at Montreal for

Table with columns: They Affect Farm Produce Former U.S. New U.S. Article Duty. Duty. Includes items like Apples, peaches, plums, nuts, Beans, Berries, Grapes, currants, Potatoes, Turnips, Vegetables, Cream, Butter, Cheese, Beef, Pork, Bacon, and Lard.

*These are countervailing duties which will be removed when the duty that Canada imposes on the same products coming from the U.S. are removed.

some weeks and large stocks at the present time are being held by United States dealers in storage at Montreal. Instead of being dumped on the Canadian market, this butter will now cross the line. It will raise in cheese prices is all the way from the tariff to cents in favor of the American market, and this difference should have an influence in brightening the somewhat dull cheese business in Canada at the present time. In fact, considerable cheese has been going from Western Ontario points to the other side at the old rate of six cents a pound.

The United States has given us an opportunity to meet them half way on the wheat question. As long as we continue to collect customs duties on United States wheat coming into Canada, they will levy a tax of six cents a bushel on Canadian wheat entering United States. As soon, however, as we untax their wheat, Canadian wheat may enter the United States markets free. Last year our dutiable imports of bread stuffs from the United States amounted to \$29,266,167, while our exports totaled \$10,802,800. United States mills need Canadian hard wheat for blending with the soft wheats of the United States. Grain Growers' Associations are already urging that the Canadian government do away with the present duty on wheat, which is of no advantage to them and thus give them free entry to their nearest and best market.

Perhaps one of the greatest benefits that will be bestowed on the Canadian farmer by these new regulations is that he will always be sure of a stable market. Slight increases in shipments of any line of farm produce are liable to glut Canadian markets. There is much less danger of a glut where the Canadian producer has a choice of two markets and of them with 90,000,000 people. The tariff on this page gives the new old rates imposed on articles that directly interest the farmer.

DON'T PUT OFF Being your friends, and have them join in right away for club of subscribers to Farm and Dairy.



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Big Ben will get you up on the installment plan, a little at a time, by ringing every other half minute for ten minutes, so you'll wake up gradually. Or he'll do the whole job all at once, with one long, straight, five-minute ring. You can set him to do it as you choose, and shut him off short in the middle of his call either way. That makes him your good clock in one, to suit everybody's taste in early rising. He plays no pranks. He won't go off before it's time and rob you of your full measure of sleep. He won't go off behind time and rob you of your work time. It's Big Ben's business to run on time, to ring on time and to stay on time. Big Ben attends to his own business

and helps you attend to yours by getting you and the farm hands out early. Then he sticks around the house and keeps time all day for the women folks so they can have your meals on time. There never was a clock that fitted in better with the farm work. He's triple-nickel plated and so handsome you'll want to keep him in the parlor instead of a bedroom. Hands never tickers fall from the top of his head to the tip of his toes, has big, easy-winding keys, large hands, and big figures that you can read at a glance on dark evenings, and in built of good implement steel so he'll last for years. He's doing this kind of work in 1,000,000 American homes today. Twenty thousand jewelers sell him one in your neighborhood, probably. If yours doesn't, just send a money order for \$1.00 addressed to Waltham, La Salle, Illinois, U. S. A. and he'll come to the front door, duty charges prepaid.

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These prices will probably even up the Buffalo prices coming down somewhat and the Toronto prices moving up to meet them. There is likewise a danger that Canadian dealers who have been buying heavily on the expectation of free entry to the Buffalo market may ship too heavily and cause a mold glut; but in the long run the live stock man is bound to benefit. The consuming population of the United States has increased by many millions in the last 13 years, but in that time the number of cattle other than dairy has decreased from 1,500,000 to 360,000 head.

Holstein-Friesian Association of Canada. Applications for registry, transfer and membership, as well as requests for blank forms and all information regarding the Farmer's Best Friesian Cow, should be sent to the Secretary of the Association, W. A. Cassens, St. George, Ont.

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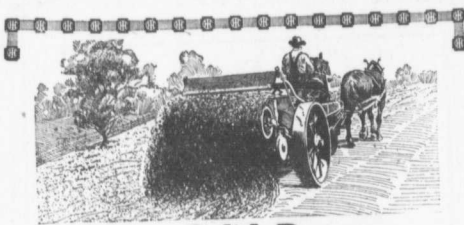
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RU-BER-OID

HORT... The H... Jane McLeod... Dishes are all few minutes in with Farm and few notes on When the require it struck me... sible subject... appeared a very is my observati for the best ga begin about now can see his livi ploie up and garden. Practic been removed, a land ploied earl sills in better g My plan is to tables grown al

A Tree of s... the wood need to... around the home... years from the... light, fall 20 feet... led to the home... groups. Out in the... you will find the... through the win... nets, cabbages, pa... and so forth. Th... which is my specia... small, only about 40... on at the side of... near the kitchen doo... I make a spec... things. For instan... asparagus beds... down stuff from ver... nition. Lettuce an... the hot bed along... potatoes, cabbages... your plants. I coul... about my hot bed, a... that the time to... and so it right now... in the spring. I... in our home-garden... rows of early pot... cress, cucumbers, an... like we would like to... do you ever fram... is put off from... over and bigger in t... like the same with... neighbors have b... being a kitchen gar...



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I H C manure spreaders are exceedingly durable, strong, correctly built to stand all conditions and all strains they may meet. Each feature has its purpose. Uphill or down, or cutting corners, they spread all kinds of manure evenly in a light or heavy coat at the choice of the driver. The beater drive is strong and simple, beater teeth are square and chisel pointed to pulverize the manure, and the large diameter of the beater prevents winding. The wide-tinned rear wheels, carrying a large percentage of the load, insure ample tractive power.

But see all these things yourself at your local agents. He will explain each one, and many more we have not space to mention here. The agent has catalogues for you, or, write the

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A Horse for the Farm Woman

Hrs. Hugh McLean, York Co., Ont.
One of the greatest pleasures of country life to my mind is to take a spin along a good country road in a nice rubber-tired buggy or comfortable cutter. The vehicle in which we are riding, however, contributes just one-half of the enjoyment. In order to appreciate the drive we must have a horse that presents a good appearance and one that makes good time.

Aside from the pleasure afforded through this source, it is necessary to drive to city or town many times in a year on business, and this is often-times just where the difficulty presents itself for the farm woman.

A few days ago when my daughter and I were driving to our neighboring town we met a heavy farm wagon, and the occupants of the springless seat were a man and his wife and little child. The contrast between this out-oid. The contrast between this out-oid. The contrast between this out-oid.

We know that on the farm, in the busy seasons of the year especially, it is almost impossible for the men to leave their work and take the women-folks to town. If these women are not provided with a horse that they can drive, how is the difficulty to be overcome?

A HORSE, BUT UNSUITABLE

I believe that on a considerable number of farms now-a-days if we were to question the man of the house on this point we would be answered somewhat after the following manner: "Oh, yes, we always keep a horse that my wife can drive any place she wishes to go." If we investigate more closely, however, we are quite apt to find that this animal is one of the most working horses, and that as a rule the very time the woman of the house wants to go away from home this horse cannot be spared from work, or it will be so tired and lazy that it could walk almost as quickly as it travels.

We farm women like to appear well before our town and city sisters, and this is only natural, but it is impossible for us to do so if we must drive what is commonly called an "old plug" that is hitched to a buggy or cutter presenting an equally unfavorable appearance.

While we who live in the country are somewhat isolated we have access to the city or town by driving and are really better off than are those living in the urban districts, who must board the street car or walk wherever they wish to go. At least we are better off if we have a nice horse and rig.

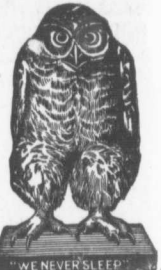
Being a strong believer in making things as pleasant as possible in farm life, I should say that one of the first ways of doing so is by providing the farm women with a nice horse. What do you think about it, sisters?

A Tax Upon Thrift

(Farm, Stock and Home)

Take two men in any neighborhood. One builds a barn and the other does not. Straightway along comes the assessor to the man who built the barn. "Because you are more thrifty than your neighbor, and have invested some of your life's earnings in a barn, you must pay a greater tax than he. We, the people, fine you for your enterprise."

That is the gist of the inner meaning of the personal property tax. Everywhere and always it falls as a fine upon the industrious. It drives down into the pocket of the man who puts his hand to work and takes from more than it demands of the man similarly situated who sits down in idleness.



Cotton Seed Meal

(OWL BRAND)

AND

Linseed Oil Cake Meal

(OLD PROCESS)

Car Lots or Less

We also sell Bran, Shorts, Feed, Flour and all kinds of Stock and Poultry Feeds

Write for our Prices

Crampsey & Kelly TORONTO, ON.

CRUMB'S IMPROVED WARRIOR STANCHION

H. A. MOYER, SYSTEM
SAVE COST
In feed in one unit!
Send address for price
Locations of independent
retail dealers in your
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WALLACE B. CRUMB, Inc., Newark, N. J., U.S.A.
Canadian orders should be addressed to the largest
State in inquiry if you prefer booklets in French or
Spanish.



The Carrier For You

In choosing a litter carrier, one should consider all the equipment necessary for a Hangers, Switches, and Swing Pole fittings. Do not place a order before learning of the many distinctive features to be found in Louden Equipment.

LOUDEN Litter Carrier

—In simple in construction, easily operated, Carrier has 24 of heavy galvanized steel, strongly reinforced with angle-iron. Worm hoisting mechanism insures maximum speed and power. Track is of high carbon steel and is easily installed.

Write today for Illustrated Catalogue. Our architectural department will supply free literature.

THE LOUDEN MACHINERY CO.
Dept. 104 - GUELPH, ON.

National
The prize Live Stock will be held November, is published a dairy tested by Guelph, the breeding at pete in the for complete classes all

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National Live Stock and Dairy Show Prize List

The prize list for the first National Live Stock and Dairy Show, which will be held in Toronto the last of November, has been completed and is published herewith. In addition to a dairy test, in which the prizes offered will be about equal to those at Guelph, there will be classes for breeding stock. Animals that compete in the dairy test will be eligible for competition in the breeding classes also.

ing to send 24 head of cattle to the dairy shows to be held this month at Waterloo, Iowa, and in Chicago.

Recent Publications

There is probably no operation connected with the farm in which greater and more unnecessary losses occur than in the production and handling of farm manures. In the hope of assisting farmers to the practical knowledge of the means by which such losses may be avoided, Dr. Chas. E. Thorne, Director of

How To Paint for Less Money

The cheapest paint for you to use is the paint that takes the least quantity for the job, even though it costs more per gallon. For just so certain as this paint will cover a greater surface than a lower priced paint, so it will also wear better and give more satisfaction.

ONE QUART OF MARTIN SENOUR 100% PURE PAINT WILL COVER 112 1/2 SQ. FEET TWO COATS

ONE QUART OF HAND MIXED LEAD & OIL PAINT WILL COVER 75 SQ. FEET 2 COATS

Martin-Senour 100% Pure Paint is absolutely the cheapest paint to use because less paint is required to do the job.

In fact, it's an extravagance to use cheaper or hand mixed paint for they not only take more for the job IT PAYS TO USE but do not wear as well.



There is a dealer in your neighborhood who carries the complete line of Martin-Senour Paints and Varnishes. Write for his name and a "Farmer's Color Set", which will assist you in choosing just the right Paint and Colors for your every requirement. This set is free for the asking. Write for it today.

Martin-Senour Co., Limited

295 MOUNT ROYAL AVENUE, MONTREAL, P.Q.

Where We Stand

We believe through careful inquiry, that all the advertisements in this paper are signed by trustworthy persons. To prove our faith by works, we will make good any loss sustained by trusting advertisers who prove to be deliberate.

Mention "Farm and Dairy" when writing to our advertisers and we guarantee to you a fair and square deal.

We have gained the confidence of "Our People" by giving them good service.

FARM AND DAIRY

"A Paper Farmers Swear By"

Table with columns for grade (e.g., 1st, 2nd, 3rd, 4th, 5th), animal type (e.g., Bull, Cow, Heifer), and price. Includes sub-sections for AYSHIRE PRIZE LIST and DAIRY TEST-AYSHIRES.

Table with columns for grade (e.g., 1st, 2nd, 3rd, 4th, 5th), animal type (e.g., Cow, Heifer), and price. Includes sub-sections for CANADIAN CATTLE WIN PRIZES and GRADES.

Canadian Cattle Win Prizes

Mr. R. R. Neas, of Howick, Que., whose well-known herd of Ayrshire cattle has carried off a majority of the prizes this year, not only at the Western Canadian Fairs, but at Toronto and Ottawa as well, won some noted additional honors last week at the Brockton, Mass. exhibition. This exhibition is probably the chief exhibition of the New England States.

There was strong competition in the Ayrshire classes. Among the competitors were the herds of Mr. Chisholm of Port Chester, N. Y., comprising some 30 animals, the Salidina herd of New Hampshire, and several others. In all there were five full herds and a number of smaller ones. Most of these herds had been sweeping all before them at previous exhibitions and met at the Brockton exhibition for the first time. The interest taken in the competition may be judged from the fact that one exhibitor showed five females, each one of which had cost him over \$1,000. One animal that was shown had been sold for \$1,800.

In face of this strong competition Mr. Neas won every first on bulls except that for the two-year-olds in which class his entry was second. His animals also won the championship and grand championship. In a class of 17 aged cows in milk he won first, second and third. In the four-year-old cow class he stood first and second. The third prize animal in this class was one that Mr. Neas had imported and sold to the States. The fourth prize animal had cost its owner \$1,000. Mr. Neas' stock also won first in the three-year-old class, second and fourth on two-year-olds, first and fourth on heifer calves, first and fourth on heifer calves. In the class for the best cow and second of her progeny in the Advanced Registry, Mr. Neas won first and also first on the herd. Mr. Neas' herd comprised 22 animals.

of Storks, Con. Mr. Neas is arranging the Ohio Experiment Station, has been induced to write a new book on this great and important subject. Every phase of the subject is dealt with from the origin and nature of the soil to the composition of manures and their application. The book is an encyclopedia of information. The processes that take place in the soil that make plant food available; the composition of farm crops and the effect of different fertilizing elements on their growth; the rate of the losses in stable, yard and field. The book is the fruit of a life work begun on the farm and followed by a quarter century of large opportunity for testing out from the standpoint of the practical farmer of the scientific principle underlying the farmer's work. This book of 240 pages may be secured through Farm and Dairy at the regular price of \$1.50.

"The Call of the Land" is the subject of the most recent book by E. Benjamin Andrews, Chancellor of the University of Nebraska. While the book is primarily intended for agricultural directors, it will appeal to all who enjoy a broad and intelligent discourse on agricultural topics. It is intended for the farmer as a citizen rather than the farmer as a farmer, but it is of value to him in both connections. The book is well bound and printed on 385 pages of good paper. Price through Farm and Dairy, \$1.50.

This is the point: Each dairy cow has a certain responsibility, that of producing plenty of milk and fat at a profit. So, also, has the dairyman his responsibility, that of knowing his cows do not shrink theirs. His business is to know what each cow does; she won't tell, he has to keep individual records to find out. They cost little, they do much.—C. F. Whitley.

The judge was Professor Trueman,

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AD. TALK

CXII

All Honor to the Women

"Leave it to a woman to draw a bargain in household goods."

That is just what our men of the present day are doing. They are leaving largely in the hands of the women the spending of their incomes. Don't you believe it? I'll prove it to you. In this busy 1913 our men are too busy "making" to be good spenders. It's left to the women.

Here's the figures to show it. In its recent bulletin the University of Wisconsin states that of the \$10,000,000,000 spent annually in United States for food, shelter and clothing, 90 per cent. of this mighty sum is spent by the women. Our Canadian women spend proportionately.

Our big stores show how well the managers realize this when 75 to 90 per cent. of their advertising is directed to the women. The display windows of Eaton's and Simpson's are largely attractive to women only. Our women have become the buyers of the age.

Our colleges recognize these conditions. In the curriculum of Macdonald Institute, Guelph, you will find an outline of lectures and practical work known as the "Home Makers," or as some have re-named it "The Diamond Ring Course." No, it doesn't just teach our young women how to cook. That was one of the main essentials of long ago. But you must remember we are now living in 1913 and so the course is broader. It gives instruction not only in what we shall eat but how, when and what we shall both eat and wear. It goes farther—it teaches our young women the science of spending. Considering the above figures don't you realize the need of such a training for those who are to be at the head of our homes? Any woman can spend, but not all by any means can spend wisely—securing value, buying to advantage and through shrewd business methods, stemming the tide of that bugbear, the high cost of living.

The same conditions are true at home on our farms. Our women do so much of the buying and marketing. They actually control the purchases for the entire household.

YOU MANUFACTURERS, keep these facts in mind when you advertise. Not only are our women good shoppers but where confidence is established, they are strong on mail order buying. Hence such good results from farm paper advertising and especially so where the wealthy class such as the dairymen are reached. Each week in Farm and Dairy we acknowledge and honor the sphere of "Our Women" by devoting to them a department in our publication. Moreover, each October we devote to their interests a special Household Number, like this one of Farm and Dairy.—

"A Paper Farmers Swear By"

Value of Appearances

Miss Lillian G. Crummy, Leeds Co., Ont.

So often do we hear farmers spoken of by town people as "hayseeds," "country bumpkins," and other similar nicknames. We all know that though there is no fashioner connected with those names, still a slur or slight is conveyed.

Why this state of affairs? Let me tell you. It is an instance of the innocent suffering for the wrongs of others.

So many of our farmers, sometimes the well-to-do, act as if themselves do not respect whatever they go to town to trade or to market their produce, or if they have an evening out they lounge about the country stores, attired in the worst old clothes, dirty old caps, old straw hat, coarse boots, hair unkempt—in fact, their whole appearance absolutely negligent.

While at his work the farmer can not be grandly dressed, with boiled shirt, high collar, and patent leather shoes, but he can, if he will, dress with the best in the land after his toil is over and he goes out to mingle with the fellow men, whether it be to attend divine worship or to market his produce. Fine clothes do not make the man, but they certainly give one that feeling of self-respect.

The tidy person commands respect from others, whereas the slovenly one may pass by unnoticed. We should every day give to the world the best we have, and the best will come back to us.

A Telephone Tea Party

Mrs. R. Fleming, Ontario Co., Ont.

Our rural phone lines have made possible a new style of tea party that is much appreciated by the ladies of our district. Instead of dressing in our best clothes, hitching the horse, and gathering at some of the neighbors, we just draw a comfortable chair up to the phone and have a chat with all our neighbors. It is agreed beforehand that we will all meet at such and such a time and every receiver is down and there is no more trouble in keeping an interesting conversation going than would be the case were we all speaking together in a neighbor's room. Likewise, harmful gossip that might be passing at an ordinary gathering must be eliminated at a telephone tea party, for no one can tell where the gossip might go.

The beauty of our telephone tea parties is that the mud of spring, the rains of summer, or the snow of winter cannot interfere with our meeting. The phone has done away with the obstacles that the elements place in the road of country sociability.

Rural phones are seldom needed for business calls in the afternoon. The men are all busy on the farms. I must say that the men are very obliging, and unless business is pressing, they would not think of interfering with our afternoon calls.



Miss Crummy

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For literature descriptive of the great territory, and for information as to terms, homestead regulations, settlers' rates, etc., write to H. A. MACDONELL, Director of Colonization, Parliament Buildings, Toronto, Ontario

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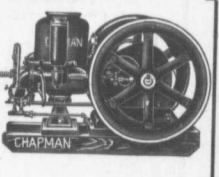
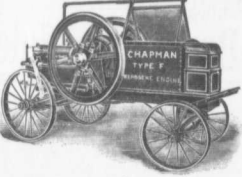
Married Man, young preferred, to manage and to take half interest, is required, in thoroughbred Jersey herd on my farm. Must come well recommended and have some experience with dairy cattle. Very little money required if you are the right stamp. First-class house and location. Apply E. A. SMITH, Real Estate Broker, 368 TALBOT ST., ST. THOMAS, ONT.



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Would \$1.40 a week interest you?

Would you like to be "outside" in the fresh, invigorating air during those months of autumn-free to do your own bidding, and earning \$1.40 a week or more as you choose—your own boss?

We want a representative from the ranks of Canadian cheese-makers for Farm and Dairy in every district.

Acting as the representative of this company you are assured of business training that will broaden and develop you, besides paying you handsomely.

We allow a representative commission on new and renewal subscriptions. We will explain this further if you will send a line of inquiry. It will not obligate you in any way.

Wanted--Cream

Delivered at nearest express office. Highest prices paid. Remittance Monthly. Write **PETERBORO CREAMERY** Peterboro, Ont.

CREAM WANTED

We pay the highest city prices for cream delivered sweet, or sour as may express office. We supply cans and remit promptly, with an accurate record of each shipment. If 25 years' experience counts, ship your cream to the Toronto Creamery IT PAYS.

If interested you should write us. **Toronto Creamery Co., Ltd.** TORONTO

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A First-Class Creamery Business in Western Ontario. Modern equipment. Splendid territory. Conveniently situated. Price reasonable. Apply **BOX 359 FARM AND DAIRY.**



\$100 to \$200 PROFIT PER MONTH

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Every farmer in Canada needs and uses our kind of goods. Over 2,000 men are making big money selling **Rawleigh Quality Products**, Household Remedies, **Enamels, Spices, Toilet Articles, Stock Remedies, Dairy Supplies, etc.** Every article of the highest quality, well known and reliable.

We want a man at once in every locality to represent the general Retail, Manufacturing, Distributing and Selling Organization in North America. Established 19 years. Capital and Resources over Two Million Dollars. **Business, Day's, Booklets, or any kind** in Winnipeg. We offer you the opportunity to

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With little competition. We are the only concern of our kind who own and operate a factory in Canada. No day. Freight reverse prompt. We want men of good standing in their community, who can furnish satisfactory booklets, and team for the conduct of the business. No experience required. We teach you how to handle the goods successfully, and stand back of you with the services of our great organization.

If you can meet our requirements, write for particulars of our machine office.

The W. T. Rawleigh Medical Co. 55 Henry Street Winnipeg, Man.

Creamery Department

Butter makers are invited to send questions on matters relating to butter making and to suggest subjects for discussion. Address letters to Creamery Department.

The New De Laval Works

Peterboro, the home of Farm and Dairy, is rapidly becoming a notable center for manufacturing concerns, dealing with the agricultural interests. The great Quaker Oats Company has made our city famous with its food products and in the supplying of mill feeds to all parts of the country. Other smaller concerns of a similar nature are following in its wake. In addition, we have the Peter Hamilton Company, agricultural implements, Farm and Dairy, with its kindred publications, and now the great De Laval Company is located with us.

The De Laval people are by far the largest manufacturers of dairy sup-

and Ripeners, Eclipse Ripeners, Alpha Gasoline Engines, and De Laval Clarifiers. Most of these products are already familiar to the readers of Farm and Dairy. The Alpha Gasoline Engine and the De Laval Clarifier are two of the Company's latest achievements. The latter machine is somewhat similar in construction to the Cream Separator, and is used in the clarifying of milk and cream both for city and home trade.

This group of factory buildings when finished will be the finest and largest of its kind in Canada. The site covers 15 acres, which allows room for expansion. One mile of private railroad track will be required to serve this group of buildings. Already the two wings on the right are completed, the machinery installed, and manufacturing has been carried on for several months. The third wing is well under way. The equipment is designed with a view to turning out the highest grade of goods in both workmanship and material.

The office building in the foreground is the headquarters of the

Cheese

Makers are invited to send questions on matters relating to cheese making and to suggest subjects for discussion. Address letters to the Cheese Department.

Women

There are nowadays thousands of these busy, energetic, feminine influentials of "the boys, here when it 'the ladies'".

MONEY can be made easily by showing Farm and Dairy to your friends and getting them to subscribe.



GENERAL CANADIAN WORKS OF THE DELAVAL DAIRY SUPPLY CO., LTD., PETERBORO, ONT.

plies in the world. They handle practically every line of implement used in the dairy business from silos to creamery power-churns and gasoline engines. The cream separator and milk tester, both conceived by the founder of the Company, Dr. De Laval, though further developed by others, have alone saved billions of dollars to the world's dairy interests, and largely made possible the wide use of dairy products as we have them today. So, too, has the manufacture and distribution by this Company of all kinds of dairy machines made possible the wonderful progress in the last twenty-five years in the field of dairying.

IN TUNE WITH DAIRY PROGRESS. The Company keenly appreciates the wonderful possibilities for the expansion of the dairy industry in the Dominion, and accordingly has made provisions in their monstrous new factory in Peterboro for the increased requirements of our farmers for dairy equipment of high quality. They are persuaded that in the steady stream of importing dairy products as we did last year from Australia, we will be seeking an outlet for them in foreign markets.

Readers of Farm and Dairy, and particularly those who are users of De Laval separators, or any of the large line of dairy, creamery, or farm supplies made by the Company, will be interested in the accompanying illustration of the new works now about completed in Peterboro. From the heart of this massive factory will come Ideal Green Feed Silos, De Laval Cream Separators, Victor Churns for the home and creamery, Office and Wizard Milk Testers, Wizard Cream Pasteurizers

Company for the Dominion. It contains every modern convenience for the transaction of the business in the best possible manner and with greatest despatch. The entire building is of most modern type, with saw tooth roof construction, affording maximum of light and ventilation. It is an ideal place for the workmen.

In choosing Peterboro for their new home the officers of the De Laval Dairy Supply Company were largely influenced by the convenience of transportation offered by the city, located as it is between Toronto and Ottawa (about 70 miles north-east of the former), on the lines of the Canadian Pacific and Grand Trunk Railways, and the Trent Canal.

In addition to its general office and factory in Peterboro, the De Laval Company now have office and warehouses in Montreal, Winnipeg and Vancouver, as well as saw houses for the convenience and distribution of their goods at Calgary, Edmonton, Regina and Saskatoon.

At creameries where the water supply is obtained from a well great care should be exercised in seeing that the well does not become contaminated. The top of the well should be cased so as to divert all surface drainage. A leaky factory floor is often a source of contamination. The ground beneath which eventually will find its way into the well—D. J. Cameron, Dairy Inspector, Peterboro Co., Ont.

Keep an onion planted in a flower pot. When a little seedling is needed, dig up the young shoot. The shoots can be cut fine and used in a salad.

A Success

This is a United States dairyman who has successfully operated. She tells making it in

Household Notes told of the success of Miss M. of New York is not only but they made

won awards numerous as the London, Eng., and the Cheesetines in success.

The Misses only Canadian fame as chaste son of Apley handsome

World's Columbian Exposition in 1893. Special Honor Mrs. E. Drow

maker of Ontario discussed exhibition of her faith, wife of won the gold

Dairy Show at discussed the making of a United States of Dundas, W. and operates

discussion of the shows as deserving as writer, Egg, and with the photo

little bit of attention that the world of and do well, a the contrary n

A We

By I have been factory at Dundas. I make summer as follows. After I have heat it up to 8

ENTIRE DISPERSION

Of my excellent Breeding Herd of **HOLSTEINS** will be made in connection with

The Great Brockville Sale



SEBIS BUCKEYE MAID LADY GRETIQUE DES CHENAUR Such offerings as these are rare. Catalogue from A. C. Hardy, Brockville, gives you particulars.

As I have taken charge of "Het Loo" Stock Farm at Vaudreuil, Quebec, it is impossible for me to look after my Holsteins at my Maple Leaf Stock Farm, Manahard, Ont. The entire herd will therefore be sold at the big Breeders' Consignment Sale at Brockville on October 21st. **Absolutely no reserve. Every animal must go.** A rare chance to buy my best at your own prices.

My herd is the result of years' work in selecting for individuality and breeding. Come to Brockville, October 21st.

GORDON H. MANHARD, VAUDREUIL QUEBEC

Cheese Department

Makers are invited to send contributions on matters relating to cheese making and to suggest subjects for discussion. Address letters to the Cheese Makers' Department.

Women as Cheese Makers

There are few fields of enterprise nowadays that have not been invaded by the women folk. Even the cheese business is not immune from feminine influence. We used to speak of "the boys," the time may soon be here when it will not do to forget "the ladies" as well. In the Special

the coloring, 1½ ounces to the thousand pounds. Then I test with Marschall's rennet test, and if it sets with 2½ I put in the rennet, four ounces to the thousand pounds of milk, then it will set in about 35 minutes. Then I cut it up as usual and cook it up to 104 degrees in half hour's time, and keep on stirring with the rake until the curd gets firm and spins about one-eighth of an inch on the hot iron, then I draw off the whey as fast as I can and put the cheese on curd racks and let it lie for 10 minutes. Then I cut it in squares and turn it over and let it lie another 15 minutes, and pile it off the rakes and let it mat until it spins one-half inch on the hot iron, then curd and salt it, putting 2½ pounds of salt to 1,000 pounds of milk, that is if the curd is not gassy. If the curd is gassy I give it more acid in the whey, and also mat it longer before curdling until it spins one inch on the hot iron. After curdling I wash the curd with warm water at about 80 degrees, which will take out pin gas holes and also bad flavor. In the spring, fall, and winter I set it at three with the Marschall rennet test and work it the same as I do in the summer, but I don't use as much starter as I do in summer. In summer I use about 100 pounds of starter for 7,000 pounds of milk, but the rest of the year I use quite a little less starter; it depends upon how the milk works.

Avoid Defects in Fall Cheese

F. Hens, Chief Dairy Instructor for Western Ontario.

Buyers do not want pasty textured cheese. It would hardly seem necessary to again discuss this point, but every fall a few makers fail to guard against certain mistakes and without realizing it until it is too late, turn out weak-bodied cheese. Pasty textured cheese is caused by leaving too much moisture in the curd.

TOO MUCH CULTURE OBJECTIONABLE. The curd may be dipped sweet and appear firm, yet if too much culture is used the cheese are almost sure to be dull in color and pasty in texture. Better to use less culture and wait a little longer if necessary for the milk to become ready to set. Acid turns out weak-bodied cheese. Milk to which has been added an over amount of culture, and although the whey may be lowered and the curds raked almost continually, the required firmness cannot be obtained before dipping, and such curds will come out of the whey in a soft condition. Stirring in the whey simply means keep-



A Result of Woman's Enterprise

This is the factory of which Mrs. Schely, of Wisconsin, whose photograph appears on this page, is owner and operator. There are other such factories in Canada similarly owned and operated; and successfully too.

ing the curd separated in order that the cubes may firm evenly; this will be accomplished if the proper relation between acid, heat and moisture is maintained.

MILK TO BE SET SWEET.

Add the rennet when the milk is sweet enough to allow time for the curd to be handled carefully and the temperature to be raised gradually. The whole process should be controlled in such a way that the curd may be held in the whey at least one and (Continued on page 27.)



Twice A Day For Seven Days

YOU use a binder or a mower just a few days in a year, but you use a cream separator (if you have one) twice a day, seven days in the week, every month in the year. The separator is one of the most important machines on the farm. Great care should, therefore, be observed in the selection of this important machine, as the size of your daily cream profits depends on the closeness of its skimming. Big cream profits are realized by users of the

Standard

Cream Separator, because this separator skims down to 31 per cent, and often less. That is, it loses but one pound or less of butter fat in every 10,000 pounds of milk skimmed. We offer the results of Government Dairy School tests as proof. And we also invite you to run the Standard alongside of your present cream separator and compare results by the Babcock test. We know of no other way that so completely demonstrates the superiority of the Standard separator. Write and tell us you would like to make the test—or if you would like to read our new catalog first, just ask for a copy.

The Renfrew Machinery Co., Ltd.

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Sales Branches at Sussex, N.B., Saskatoon, Sask., Calgary, Alta.
Agencies Almost Everywhere in Canada.

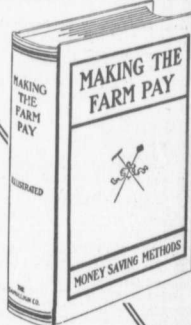
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Address Circulation Department

Farm and Dairy, Peterboro, Ont.

A Successful Cheese Maker

This is a United States lady, Mrs. Schely, of Wisconsin, who for many years has successfully operated her own cheese factory. She tells of her methods of cheese making in an article on this page.

Household Number three years ago, we told of the cheese making experience of Misses Mary and Agnes Morrison of Newry, Ont. These two ladies not only made good cheese for years, but they made such good cheese they won awards with it at such exhibitions as the Indian Exhibition, London, Eng., the World's Fair, Chicago, and the Cheese Makers Trophy, three times in succession at Toronto.

The Misses Morrison are not the only Canadian ladies who have won fame as cheese makers. Mrs. W. Wilson of Apsley, Ont., was awarded a handsome bronze medal at the World's Columbian Exposition at Chicago, in 1893. And then in the Special Household Number last year Mrs. E. Drewry, a successful cheese maker of Northumberland Co., Ont., discussed cheese making as an occupation of women, and Mrs. George Lalthwaite, of Huron Co., Ont., won the gold medal at the National Dairy Show at Chicago in 1911, discussed the making of cheese at home.

The subject of our sketch this year is a United States lady, Mrs. Schely, of Dundas, Wis. Mrs. Schely owns and operates her own factory, and a discussion of her cheese making methods as described in the article following as written by her for the Butter, Egg, and Cheese Journal, along with the photographs, add one more little bit of evidence to prove our contention that there are very few things in the world that women cannot do and do well, all other prejudices to the contrary notwithstanding.

A Woman's Way

By Mrs. Schely

I have been operating the cheese factory at Dundas for the last seven years. I make cheese during the summer as follows:
After I have the milk taken in, I heat it up to 86 degrees, then put in



GENUINE greatness is marked by simplicity, unostentatiousness, self-forgetfulness, a hearty interest in others, a feeling of brotherhood with the human family.—Channing

Mother Morrison's Mistake

(Farm and Home.)

MOTHER MORRISON was troubled. Her eyes filled with tears as she said: "It's too bad! After all the sacrifices we've made for her, and before she's hardly had time to try her wings, as it were, Ruth's going to marry a farmer!"

Mollie Davenport's eyes twinkled. It was evident that her sympathies were with the recreant Ruth. "Don't you think you are a bit unjust?" she queried, gently. "George seems a very fine fellow, and—"

Mrs. Morrison interrupted. "It makes no difference how 'nice' George is—it's the life on the farm I object to for Ruth. When I think of what farm life means and of its deprivations and hardships, my heart fails me. I know. I lived on a farm once when I was young. To think of Ruth deliberately going into conditions that will ruin her health and destroy her happiness!"

Mollie looked compassionately at her friend. "Are you sure—" she began, then, changing her tune, "how long ago were you on a farm?"

"Let's see," calculated Mother Morrison, "we've been married, Alce Morrison, about 35 years. Well, 32 years ago, guess."

Mollie's eyes twinkled again and she smiled as she said: "You forget that we live swiftly nowadays. I'm afraid that rural life has changed, largely and broadly, and for the better. I prophesy that, in time, you will ratify Ruth's choice."

"Never," averred the other woman. "Why, think, Mollie, she's a college girl. She's teaching in a college now. She's on a college faculty. She'll be lost, with her talents, on a bare New England farm."

"That wasn't the question at all," answered Mollie, "we were speaking of farm conditions, and not of Ruth's leaving. I've been on farms since you are born, and I know that Ruth will, if she chooses, be just as comfortable as here in the city, and her college training is going to be of inestimable advantage to her. Why, if you mean any farmer and his wife need modern farm conditions, it's education. It brings 'success.' It makes for development. It will help put Ruth and George in the lead. Don't you worry; Ruth's not going to waste her education by marrying a farmer. No, indeed! She's going to use it, as never before!"

But Mother Morrison refused to be comforted or convinced. She saw her daughter depart with her young and happy husband and her heart was heavy with foreboding. For a long time she refused to visit the couple at Sunnycres, pleading all sorts of reasons for the omission and delay. When at last she did go, it was about much foreboding. She made about

as much preparation as if for a visit to some inaccessible backwoods region. Mollie laughed at her, but she only repeated, "I know, I've been in such places before," so at last Mollie decided to hold her peace and let the obstinate woman find out the truth for herself.

With a sinking heart, poor Mrs. Morrison stepped from the train to

the window? Gas light? Why, in her town home, they had just ceased using oil and had had gas put in! She cautiously investigated. To her chagrin the bathroom excelled her own in its perfect appointments. This was marvelous! It was upsetting.

Was it a farm, after all, remembering as she did, the bareness and bleakness of the early rural home of her youth which had so disgusted her and had made her beseech and demand Alce to begin again in city environment. But a glance abroad dispelled this new-born doubt. The broad acres, the peacefully grazing cows, the fields of corn and the extensive grass lands and wide stretch of woods, puzzled and confounded her.

"I can't understand it," she averred, silently and solemnly, "but I'm mighty glad."

Ruth had, purposely, omitted any description of her pretty, well-appointed home. She had felt it useless to try to dispel such firmly-rooted convictions as were held by her mother, except by ocular demonstration.

When George and she planned their home, which was an inheritance from his father, Ruth had determined that, before she entered it as household mistress, it should be fitted with all practical and possible sanitary neces-

sities and labor-saving devices. There was money to do this with. George's mother had not cared. She had "gotten along after a fashion" with antiquated methods, not because she could not have had them altered had she "set out" to do so, but because of mere inertia, the lack of executive force, or, as Mollie said afterwards, "inertia."

which means beating with heavy rods; hard, drudging work, and fatal to a rug's life. "Don't think, am making too much of this one thing, mummie, but I am enthusiastic. My furnishings are so new and so nice that I hate to see them spoiled. And spoiled," she said, emphatically, "they were sure to be, sooner or later, without a vacuum cleaner. Why, mother dear, not only am I saving my own pretty things, but I'm renovating some of George's mother's that had been relegated to the attic because considered beyond all help."

She showed her mother some drapery-modern invention has to draw the dirt and dust of years as to make them practically new.

"I'll have one," decided Mrs. Morrison, "as soon as I get back home. There are those stuffed chairs. They may be old-fashioned, but I'm fond of them, and they send up a cloud of dust when one sits down. I'll clean them with one of these splendid helps."

"No more lame backs and aching muscles," laughed Ruth. "Why, our twelve rooms can be kept as sweet and pure as a baby's breath, at the cost of no more energy than one uses in a walk or game. You must have one, mother."

Mother Morrison returned home, elated and contented.

"She's better housed and cared for than we are," she said, placidly, to the amused Mollie; "hot and cold water all over the house, a rat-proof cemented cellar with every convenience, rural delivery, telephone, bathing and toilet facilities, and a splendidly equipped kitchen. Why, it's great! Simply great! And then, in addition, she has the other advantages of farm life; milk, eggs, vegetables, etc."

"What a goose I was," she added, "with my idle fears." Still, she added, "I see we're Ruth's foresight has helped. She simply would not go to a poorly equipped home as long as better could be provided and in the long run she is right. To conserve the farm woman's strength, give her and her children health and happiness, this is what is needed."

The very next day the two friends journeyed to the shopping district of their city and after examination and trials, each invested in a vacuum cleaner. "Not," as Mrs. Morrison said, "that this is all we need, but simply that I feel behind the times, just as I would without a sewing machine, if I didn't own one. I thought as Ruth's, that they seemed so peculiarly a woman's need that I ought to get one. Strange, but I'm glad, that I had had so good a farm to find out what my own home lacks."

Hum

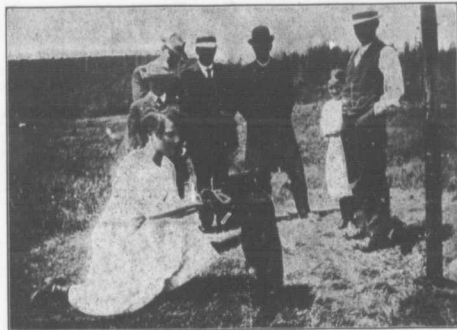
Margaret C. Hayes.

Keep the ball a-rolling!
Smile and laugh and sing;
Hum while you're astrolling,
Bits of anything.

Demon Blues can't conquer
While you hum a song;
Set your thoughts to music,
You can't go far wrong.

This the rule and habit
Of the busy bee;
Humming while she's toiling,
None so gay as she.

Glycerine and rose water is one of the best things to use if the hands are subjected to chapping, or cracking. The drawing on of an old pair of gloves before retiring keeps the moisture in the skin and retains its softness.



An Unusual Pet on a Farm in New Ontario

This young bear cub was captured by Mr. Alex. Brown, a settler in the Thunder Bay district of New Ontario. The youngster is the special care of Mrs. Brown, who may be seen feeding it.

await transportation to the farm, three miles away. She saw various conveyances, and in her innocent ignorance wondered if the ox team she noted at a corner might belong to George. Her first disillusionment came when an automobile drove up to the platform and she saw her daughter in it.

"Isn't it lovely?" chattered Ruth. "I wouldn't tell you. I wanted to surprise you. I'm learning to drive it, too, and we'll have some jolly trips together."

Mother remembered the ox team with chagrin. The machine halted before a comfortable house, shaded by magnificent elm trees, and again the bewildered woman noted that here was a home better than her own! But prejudice dies hard. Probably, she thought, the couple had put all their money into the automobile and outside show. But, when Ruth, with a loving embrace, left her mother to remove the grimy evidence of a day's travel from her person, and said, "you'll find the bathroom just across the hall, dear mummie, and there's a speaking tube, if you need me to help you in any way." Mother Morrison actually gasped in humiliated surprise.

And what was that over the desk by

sities and labor-saving devices. There was money to do this with. George's mother had not cared. She had "gotten along after a fashion" with antiquated methods, not because she could not have had them altered had she "set out" to do so, but because of mere inertia, the lack of executive force, or, as Mollie said afterwards, "inertia."

But she had died when only 53 years old, a tired and "dragged out" woman. And, though one should speak well, or hold one's peace, concerning the dead, it should be said, for the sake of the living, that it was her own fault. We lose much good in this world by not demanding or requesting it.

As Mrs. Morrison examined the home, her delighted wonder grew. Sweeping day was made a joy, rather than a trial, by the easy, light and effective vacuum cleaner that Ruth used.

"It cost quite a few dollars," declared Ruth, "but it will pay for itself in a short time. Not alone in saving of strength, but in actual saving of material. No carpets or rugs do not get filled with dust. I run my vacuum cleaner over them occasionally and they will last four times as long as those that fill up with dust and dirt,

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Pudd
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There
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IN THIS newest of cook books you will find all the latest and most successful recipes of the finest cooks in Canada, the very cream of over 20,000 contributions. Recipes for the making of Buns, Biscuits, all kinds of Bread, Cake, Candy, Cookies, Crackers, Croquettes, Crullers, Doughnuts, Dumplings, Fritters, Gems, Gingerbread, Griddle-Cakes, Icings, Muffins, Pancakes, Pastry, Patties, Pies, Puddings, Puffs, Rolls, Rusks, Sandwiches, Sauces, Scones, Snaps, Tarts, etc., etc.

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The FIVE ROSES cook book cost the publishers almost \$20,000, and over 1 year's time to prepare, but YOU can have it for ten cents (stamps or silver), as long as the supply lasts. Send us the coupon below duly filled, enclose the 10 cents for postage, and the FIVE ROSES cook book is yours. Address your envelope:

Publicity Director

Lake of the Woods Milling Co., Limited

Room 350, Lake of the Woods Building, Montreal, Canada

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Being a satisfied user of FIVE ROSES FLOUR for Bread and Pastry, I enclose 10 cents (silver stamps) for the FIVE ROSES cook book.

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A HOUSEWIFE IS JUDGED BY HER KITCHEN. FOR A BRIGHT STOVE AND A BRIGHT REPUTATION. USE BLACK KNIGHT. A PASTE No WASTE THE F. F. DALLEY & LTD. HAMILTON, ONT. No DUST No RUST



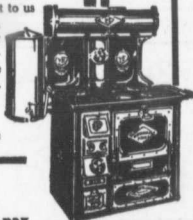
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That's about \$20.00 isn't it? And you can save it by ordering direct from the factory (the biggest malleable range plant in Canada).

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The Upward Look

Perfect Love To me this is one of the most precious sentences in the Bible. The truth that lies in these six small words is the foundation of all true self-reliance. It explains the wonderful courage of the old prophets in the face of almost unbearable hardship. It explains how we find and gladly a little band of twelve uneducated men went out to conquer the entire world for Christ. As they were when Jesus found them those men would have shrunk from speaking in public or in the presence of their "superiors." But after being with Jesus they feared no one; their self-reliance was un-

The best things are nearest to our breath in your nostrils; light in your eyes, flowers at your feet, duties at your hand, the path of God just before you. Then do not grasp at the stars, but do life's plain, common work as it comes, certain that daily duties and daily bread are the sweetest things of life.—Houghton.

bounded because at its base lay their perfect love and trust.

There are two kinds of self-reliance. Some men who are known as being very self-reliant are only very self-sufficient. According to their view they are a power and themselves. They have met and conquered great obstacles without any sense of responsibility from a greater power than theirs. And how often, when confronted by some unusually great obstacle, such men are failures. Their self-confidence carries them only so far and no further.

But the confidence of the Christian! What of his self-reliance? It is limited only by his belief in the power of God. No matter how great may be the difficulties of his life he is undaunted. He knows that his Father's power is unlimited, and where the apparently stronger man of the world is afraid the Christian, lumbly trusting in God, is invincible.

All history bears testimony to the courage and power of men and women who had the perfect love that casteth out fear. Abraham left home and kindred because of that love. It enabled Moses to accomplish what of all history. How close it must have been to Daniel in the lion's den.

The Christian era furnishes us with even more helpful illustrations because nearer our own times. Paul's writings all breathe of that love. And coming right down to our own times we find great men like Henry George and Gladstone testifying that it was their belief in a higher power that enabled them to accomplish what they did.

And in humbler walks of life the same love has inspired many truly gallant deeds. When trials come and we have doubts of our ability to meet them let us just repeat, "Perfect love casteth out all fear." What a source of power it is, all who have tried it can testify.—I. H. N.

When making sponge cake, it is a good plan to put a tablespoonful of water with the chill off it into the cake mixture directly after pouring in the eggs. This makes the cake deliciously light and spongy.



Old Dutch Cleanser On Hard Things To Clean



A WILLING HELPER

WASHDAY is usually looked forward to with anything but pleasure. "Blue Monday" is an apt term.

But how different when a Massey-Harris Engine is hooked onto the washing machine!

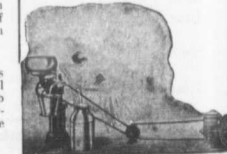
This Engine never tires—never fusses—never balks, and the largest washing is done in a hurry and with surprisingly little work.

And for running the separator and churn this Engine is just as useful, besides pumping water and a dozen other odd jobs and chores.

Now, don't you think that the women folks of your farm are entitled to this help?

Think it over, then call and see our agent, or write us for circulars and full information.

MASSEY-HARRIS CO. LIMITED Head Offices - TORONTO, Canada BRANCHES AT Montreal, Moncton, Winnipeg, Regina, Saskatoon, Yorkton, Swift Current, Calgary, Edmonton.



SP We've full style able to get... Should you to see? w patterns h rose the.



For the 10 y quire 25 yards 36 or 1 1/2 yards. This pattern is 6 R. 10 and 12 CHI

shirted cap is a tion and is pro mals and all th that are used fo This pattern is of 5 months or TUCKED BLOU SMALL



yards of plaited This pattern is of 14, 16 and 18 BELTED COAT FO



wide, with 5/8 yard collar, 5/8 yard for shown in the back. This pattern is of 14, 16 and 18 y

Splendidly best that is so fortun at least one membe of good huz son in a home cannot be more. others are serious

SPECIAL PATTERN SERVICE

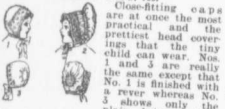
We realize the great interest that all of our readers take in the new fall styles, and have therefore made arrangements...

BOYS' BLOUSE, 7946



For the 10 year size the blouse will require 2 1/2 yards of material 36 or 2 1/2 yards 44 inches wide...

CHILD'S CAPS, 7937



This shirted cap is made of plain flannel and is pretty for a plain foundation...

TUCKED BLOUSE FOR MISSES AND SMALL WOMEN, 7942



This yoke blouse with elongated shoul-der seam is one of the smartest shown...

BELTED COAT FOR MISSES AND SMALL WOMEN, 7953



The belted coat is essentially a smart and this one with its elongated and broad band suggests...

SPLENDIDLY BLEST IS THAT HOUSEHOLD

Splendidly blest is that household that is so fortunate as to possess at least one member gifted with the grace of good humor...

SEMI-PRINCESS GOWN, 7944



No costume ever displays more satisfactory than the semi-princess gown shown at the front...

GIRL'S DRAPED COAT, 7955



Long, loose coats are quite as fashionable for school girls as they are for older folk...

ONE-PIECE NIGHT GOWN, 7944



Simply cut, simply made, undergarments always gives a certain air of distinction...

THE MEDIUM SIZE GOWN WILL REQUIRE 2 1/2 YARDS OF MATERIAL 36 OR 2 1/2 YARDS 44 INCHES WIDE...

Advertisement for 'It's so easy' featuring a large graphic of a woman's face and the text 'At all Dealers 10c'.

Advertisement for Kodak Record featuring an image of a camera and the text 'Keep a Kodak Record'.

Advertisement for Canadian Kodak Co., Limited Toronto, featuring an image of a camera and the text 'CHALLENGE COLLARS'.

Advertisement for 'Arlington Collars' featuring an image of a collar and the text 'Arlington Collars are good, but our Challenge Brand is the best'.

Advertisement for 'A Cheerful, Attractive Home' featuring an image of a house and the text 'A cheerful, attractive home is a beautiful environment'.

Advertisement for Lawrence Sugar featuring an image of a sugar bag and the text 'Lawrence Sugar'.

Advertisement for Dominion Land Regulations featuring an image of a landscape and the text 'SYNOPSIS OF DOMINION LAND REGULATIONS'.

Advertisement for Gasoline Engines featuring an image of an engine and the text 'GASOLINE ENGINES'.

Advertisement for Windmills featuring an image of a windmill and the text 'WINDMILLS'.

OUR HOME CLUB

Off to a Good Start

"The Philosopher" wants to know what has become of all the members of the Home Club. He thinks there should be a family reunion. So do I. Moreover, I have been given charge of the Home Club Circle, and am responsible for it in future. I don't know just why I was selected for this honorable and responsible position, unless it is that I wrote more letters to the Club last year than any other member. And then, too, it is just like the hired man to be butting into everybody else's business and trying to run the whole farm—in this case, the whole club. It proves, too, how wonderfully democratic our club is.

We haven't had chat for a long time. "The Doctor's Wife" broke the silence a couple of weeks ago and landed us in a discussion that has waxed hot for many months now—the problem of woman's dress. I will make no comment. We were most had better leave that intricate and delicate subject to the ladies. "We would like to hear the views of "Mother," or "Aunt Sue," or one of the numerous others who have expressed themselves so clearly on many problems in the past.

The example of "The Doctor's Wife" has been contagious. This week we are having the first real sociable chat of the season. We will all hope that this is the start of an interesting fall and winter. "Dot" has transferred her address to a city street, but it is evident that she has not forgotten us, as witnessed by her letter this week. We will all regret to learn that "Cousin Ivan" has been fighting sickness for almost two years now, and is unable to join us this winter. "Cousin Ivan" has our best wishes for a speedy recovery, and will be most heartily welcomed back to the Home Club Circle.

We will meet every two weeks all winter. Let us all cooperate to make the Club a success. We sure can do it.—"Another Hired Man."

My Daughter

"John is off to college to-morrow."
"Where does Mary go?"
"Oh! she is not going; she will stay at home."



The Best Friend After All
Photo on farm of Mr. Lorne Best,
Eggs Co., Ont.

home" and help mother? She that is enough schoolin' for a

Have you heard that? I have and I feel like a kog of powder with a live coal under it, liable to go off at any minute, so just to save the paper and challenge any one to fire but I trust before we have finished our pattern will fit the daughter of every home.

Why are you sending John to college? To study for a doctor, mini-



"Well Done Sir"

—Photo by an editor of Farm and Dairy.

ster, lawyer and to make a success in life. But from whatever motive, unconsciously he enters the larger life. The other lad is going to be a farmer. He has stopped school in common parlance, and so his life work that some of the first gentlemen in the land are refined, intelligent, well-educated farmers. That is what Canada needs to-day. Farmers are born, not made, and the call "back to the country" comes to them, no matter what their college life has been. But I was talking about Mary. She can bake bread and churn and take care of the house just as mother and grandmother did. I would like to ask every mother if she does not feel like a child again when she visits MacDonald Hall. I do. I want to begin over again. It may not be better bread or butter that is made, but it is the how of it, and there are comparisons one might make, but we refrain. It makes "an art" of what to do has been drudgery.

EXPEND ENERGY IN REACHING
The women suffragists are stirring the world with their noise and foolishness. In one way one feels like sitting still and letting them smash things generally for there is so much wrong to be endured. They see great cobwebs of sin and heaps of refuse and pollution in every corner, and woman-like, they want to clean up, but there are not enough good men in the majority to help them out; far better to spend their wonderful energy and inventiveness in running mothers' meetings. It is not enough to clothe and feed a child and to send him to school as soon as the law will allow so as to be free from care, but a mother should train and educate her child, teach self-control, self-reliance, manliness, to love Jesus—in short, to be Nature's gentleman, and if this training was given to children, in a quarter of a century there would be no need for force work, no need for bombs, dynamite and unprovokedness. There are clever children in homes who get to the top of affairs with little or no training, but cleverness in

ABSORBINE
TRADE MARK REG. U.S. PAT. OFF.
will reduce inflamed, swollen Joints, Sprains, Bruises, Soft Bunches, Heals Boils, Pock, Evil, Quittor, Fistula, or any unhealthy sore quickly as it is a positive antiseptic and germicide. Pleasant to use, does not blister under bandage or remove the hair, and you can work the horse. \$1.50 per bottle, delivered. Book 7 K free.

ABSORBINE, JR. antiseptic ointment for mankind. Reduces Painful, Swollen Venis, Gout, Wens, Strains, Bruises, insect bites and inflammation. Price \$1.00 per bottle, at dealers or delivered. Will tell you more if you write. Manufacturing and Wholesale, U.F. YOUNG, P.O. 113, 125 James Bldg., Montreal, Can.

Thirtieth Annual
ONTARIO
Provincial Winter Fair
To be held at
GUELPH, Dec. 9th to 12th, 1913
Liberal Classification
\$18,000.00 IN PRIZES
This is
CANADA'S OLDEST WINTER FAIR
Get a Prize List from the Secretary,
Wm. McNeil, President R. W. Wade, Secretary
London, Ont. Parliament Buildings
Toronto

Some farmers are like Gladstone. You will remember he got his exercise by chopping down trees.

Some farmers—a good many of them—are getting like the man in the picture above.

Trundling one wheelbarrow-load after another for half a day from stable to yard is exercise all right. And what a "plug" it is to get a well-filled wheelbarrow up the plank gangway on to the manure heap—especially in winter.



But have you time for this exercise? Then why do it?

You wouldn't think of sowing or reaping in the old-fashioned way. Then don't make cleaning out stables the exception.



Load of 800 lbs. runs easily along the smooth track.

DILLON'S LITTER CARRIER lightens the labors of farmer's boy or hired man. It enables him to finish the stables in a fraction of the time before required.

A trim, well-kept barnyard, too, is the result of using a DILLON LITTER CARRIER. The bucket can be run out over the yard and dumped where desired.

A boy can work it. It can be fitted up without difficulty. The cost is the minimum for a first-class equipment. We have no Agents—you deal directly with the factory.

DILLON'S Litter Carrier

Figure it out for yourself. Get our free book.

Dillon's sell direct to the Farmer. There are no Agents and no Agents' profits. The price is the same to all, and lower than you would expect for such substantial and well-built equipment. DILLON'S BOOK ON CLEAN STABLES gives you an exact idea of what you can accomplish for a small outlay. Write for a free copy.

R. DILLON & SON
130 Mill St. South, - Oshawa, Ont.



MARKET REVIEW AND FORECAST

Toronto, Monday, Oct. 6.—Business men, both in this country and the United States, talk prices now in terms of the United States tariff. The proposed changes now almost inevitable are of the utmost importance so far as farm produce is concerned. For instance, the duty on wheat will be lowered from 25c a bushel to 15c; potatoes ditto; eggs free; milk from two cents a gallon to three; cream from one cent to two; butter six cents to ten; and one-half cent; cheese, six cents to ten; and sheep and other animals will be admitted free under the new law. This opens up a vast new market for Canadian

cows at \$60 to \$75; common to medium, \$40 to \$60; springers, \$40 to \$75. There is \$6.50 to \$9.25; rough, \$4.00 to \$5.00. The new classification of lambs into wethers and bucks has had a favorable influence on the price of wether lambs. There was no good at \$6.50 to \$7; buck lambs, \$5.75 to \$6.25; ewes, \$4 to \$5; old bucks and rams, \$4 to \$5. The predicted decrease in hog quotations took place the first of last week, and the market is still anything but firm as spring hogs are coming on. The new quote hogs, \$3.75 to \$3.90; fat, \$3.25; sows, \$7.25.

MONTEAL HOG MARKET

Montreal, Saturday, Oct. 4.—The expected decline in local prices for live and spring pigs resulting in the Toronto market was not realized, but packers state that the prospects are that they will be reduced in the beginning of next week. The trade is coming forward as liberal, as supplies of selected lots at \$9.00 to \$9.75 a cwt. weighed off cars. The demand for slaughter fresh-dressed stock was only fair at \$13.75 to \$14.

EXPORT CHEESE TRADE

Montreal, Saturday, Oct. 4.—The market for cheese this week was decidedly steady, and although prices on the average ruled higher than they did last week, demand for export to warrant the higher prices paid; but, as the cheese offering in the country were practically the last led to be afraid to pass them by and it friction or two over this current the high as 13 1/2c was paid, the bulk of the into the city this week totaled almost 50,000 boxes, and compare favorably with those of the corresponding week last year, the total being barely 2,000 less. The market, however, will fall off very rapidly from now to the country indicate a very quick closing up of the factories a very quick closing up parts the Americans are looking smart for shipment across the line, and in other parts cows are being bought up for shipment out of the country or for shipment to the West, all of which will tend to diminish the supply of milk and bring about an early closing of the season. The market for butter is strong and prices are well maintained there being an active demand for speculative purposes for fresh receipts which are quoted at 23c here for finest Eastern Townships 25c, and August at quoted at 26 1/2c to 27c.

CHEESE MARKETS

London, Oct. Sept. 27—649 boxes; 190 sold. Bidding from 12 1/2c to 13c. Watertown, Sept. 27—Cheese sales, 5,400 boxes at 13c. Belleville, Sept. 27—2,000 white cheese offered, all sold at 13 1/2c. Cowansville, Aug. 27, Sept. 27—406 packages butter sold at 23c. Kingston, Sept. 30—300 boxes sold at 15 1/2c. Cambridge, Sept. 30—37c cheese sold at 15 1/2c; 224 at 13 1/2c. Oct. 1—240 cheese sold at 13 1/2c; 300 at 13 1/2c; 300 at 13 1/2c. Woodstock, Oct. 1—969 boxes white offered. Bidding from 13 1/2c to 15c, at which 355 boxes were sold. Oct. 1—Offerings 2,566 colored at 13c and 275 white at 13 1/2c. Yorkville, Oct. 1—300 boxes colored and 300 boxes colored cheese sold at 12 1/2c and 13 1/2c. Kingston, Oct. 2—596 colored and 46 white. Cornwall, Oct. 3—1,349 cheese, all colored. Sales at 13c. Pictou, Oct. 3—1,190 boxes boarded; 1,166 sold at 13 1/2c; 85c not sold. Pictou, Oct. 3—Cheese boarded, 990; 800 not sold. Bales cut, 125. Ottawa, Oct. 3—430 boxes sold at 13c.

THE EXHIBITS AT CHICAGO

Here are a few of the things that should attract Canadian dairymen to the National Dairy Exposition, Sept. 1st to 15th, inclusive, October 23rd to November 1st, in Chicago. A list of the best cattle in America. 80,000 pure bred females. Farm and dairy equipment, including silos and ice cream machinery and material. A full-sized creamery making butter to capacity. A full-sized pasteurizing, bottling and distributing plant. A full-sized ice cream plant in operation. There are only a few of the things. Every day there will be added, new by experts in every branch of dairying.

Prospects of entry into United States markets is already having its effect on holding their hay pending the reduction of the duty to 5¢. Butter is firmer for the same cause, and the activity in reductions may be traced entirely to the expectation of the tariff market. Money seems to be a little easier, and real-estate mortgages are being taken out at six to six and one-half per cent and farm mortgages a trifle lower.

WHEAT

World wide crop crops are exerting such a depressing influence on the wheat market that reports of injury to the Argentine crop and decrease in the estimate of the Russian wheat crop, did not hold up. Quotations have not been dropped one cent in the past week. Local quotations now are: No. 1 Northern, 57¢; No. 2 57 1/2¢; Ontario No. 2, 53¢ to 56¢ outside; No. 3 to 63¢ here.

COARSE GRAINS

The coarse grain market is characterized by fair demand and small delivery. Large quantities of Canadian oats are being marketed in the United States. It is now evident that at least 10,000,000 acres of oats have been planted, and are being abandoned, which means a surplus in this commodity that last year was sufficient enough to reduce prices of other grains. Quotations are as follows: Oats, 30c to 32c; No. 1, 28 1/2c; Ontario, 33c to 35¢ outside; No. 2 to 30c here; corn, 75c to 78¢; barley, 55c to 57c; peas, 30c to 32c; rye, 25c to 26c. Similar quotations are prevailing at Montreal, with quotations as follows: Oats, C.W. No. 2, 40 1/2c to 41c; No. 3, 37 1/2c to 38c; corn, 55c to 56c; barley, 55c to 56c; feed, 50c to 52c; buckwheat, 55c to 56c.

EGGS AND POULTRY

This week has been marked by another notable advance in wholesale and retail egg quotations. The wholesalers now quote as follows: New laid eggs, 35c to Montreal dealers report an active demand, with fresh at 30c; storage, 27c to 28c. No. 1, 27c to 28c; No. 2, 25c to 26c. The No. 1, 27c to 28c; No. 2, 25c to 26c. The poultry quotations are: Fresh killed, 10c to 12c; live, 10c to 12c; spring chickens, dressed, 20c to 22c; live, 10c to 12c; ducks, live, 10c to 12c; turkeys, live, 10c to 12c.

FRUIT AND VEGETABLES

Quotations: Peaches, 11¢; Apples, 30c to 70c; cantaloupes, crate, 82¢ to 83¢; but. 25c to 31.50; pumpkins, 30¢ to 50¢; green, six-pk. 25¢ to 30¢.

DAIRY PRODUCE

Butter continues to show growing strength and quotations have been adding reported out of Canada, but the demand from the West and the expected ought to strengthen the market. Proportions of the market here are: Dairy prime, 22c to 26c; creamery prime, 22c to 26c. Cheese is dull at reduced quotations now as large, 14 1/2c to 14 3/4c; twins, 14 1/2c to 15c; small, 14c to 15 1/2c; 15 1/2c to 15 3/4c; 15 1/2c to 15 3/4c.

LIVE STOCK

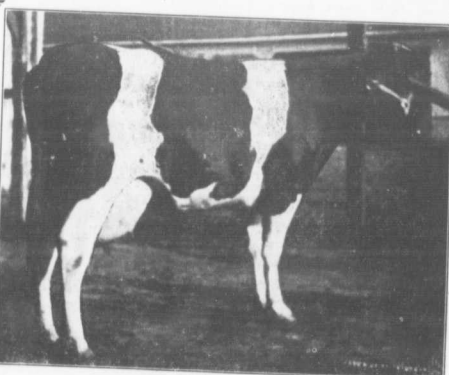
Stockers still hold their attention. It is reported that several thousand head of stock are on pasture near the front of the United States tariff bill. A great number of cows are being loaded on the stock yards here. These will all be shipped now the final signing of the bill. Should seriously delayed many speculators would have been forced to lose heavily. Shippers are holding back their well-bred animals, and consequently receipts on the market are of rather poor quality. This has had its effect in holding up the market for choice cattle of any grade. Quotations are as follows: Export cattle, \$7 to \$7 1/2; medium, \$6.60 to \$6.80; butchers', \$6.50 to \$7.00; common to good, \$5.50 to \$6.00; heifers, good, \$5 to \$6; common to good, \$3.50 to \$4; bulls, \$3.50 to \$4; cows, \$5 to \$6; stockers, \$3.75 to \$4. There is a fair demand for choice milk

THAT BIG SALE OF HOLSTEINS

PLACE— BROCKVILLE (FAIRGROUNDS)

DATE— TUESDAY, OCT. 21 (1913), 12 1/2 P.M.

Holsteins in Sale— 100 Select Individuals NOTE THIS ONE



MUTUAL FRIEND CANYON— one of the big roomy kind-a cow with both the 'form' and 'perform'. As a 2 1/2-year-old she has a record of 11,822 butter fat. Every dam in her record has over 22 lbs. the closest average averaging 24.19 cow in Canada. She is only one of the 100 head you can select from on Oct. 21.

INKA SILVER 6th Look her up in the Catalogue 29 lbs. butter in 7 days at 4 yrs.—the highest 4 yrs. old record cow in Canada. At 4 yrs. she averaged 2,500 lbs. milk in 30 days—10 lbs. in 7 days—the youngest cow with this record. In 7 days—a better one to your herd?

REMEMBER

Practically all are Females, most of them from 2 to 5 years of age and due to freshen in Fall or Early winter.

EVERY HOLSTEIN BREEDER

Should get his catalogue early. Look over our offerings. Note their breeding, the individual consignments, etc. Learn all you can about them. Then you will be there, and it will have been a profitable "Thanksgiving" outing for you.

Sale is being conducted under strictest rules and penalties. Everything is right. Signed transfers for each animal will be in the Secretary's hands before sale day. This will be an opportunity of buying Holstein females on which it would be difficult to get a price at the breeder's own stables.

Our Motto: "EVERY CUSTOMER SATISFIED"

Your Catalogues and full particulars come from

A. C. HARDY Secretary of Sale BROCKVILLE, ONT.

The Division of Labor on the Farm

(Continued from Page 4)

There is another quite different sight which is apt to cause a rise of temperature and make the blood to boil. That is, seeing a woman in a drizzling rain chopping wood in the back yard, or lugging—yes, lugging is the word—a heavy pail of water up the hill from the spring while her husband is loafing and chewing tobacco at the corner grocery. I'd enjoy the task of dividing up the labor in that family.

The children—that's where a division of labor counts most. I am one of a family of 10 living children, and as little tots, as we came along, each of us had our chores to do. I remember mine. I had to dust the dining-room, clean the lamp chimney, and put away the breakfast dishes before I went to school. In the evening, although I was kept help, I had to dry the tea dishes and hunt the eggs.

At the present time, there is not enough responsibility placed on children. Most of them, apart from their practicing on the piano, have no set work to do in the home. And it isn't right. Their whole education and thought is for self. How can they be expected to grow up with a taste for housework? Mothers are making a big mistake. They should see to it that their little girls have certain tasks suitable to their strength and age to perform each day, nor should there be any shirking.

The farm is an ideal place on which to rear boys and girls—so many little chores to be done night and morning, so many living things to take an active interest in, eggs to gather, cows to bring from pasture, fallen fruit to pick up, a hundred little things for little hands and feet to do—and this very thing, the division of labor, from boyhood on might say, is what makes our country boys and girls develop into such splendid, thoroughly capable, all-round men and women.

Avoid Defects in Fall Cheese

Several hours after the cooking temperature is reached. This method will ensure a firm curd by the time sufficient acid has developed for drawing the whey. In some cases it may be advisable to raise the cooking temperature to 100 degrees.

It must be kept in mind that the acid develops inside the cubes of curd and is forced into the surrounding whey by the action of heat and acid which causes the curd to contract. If the same acid is developed in the milk before setting, or too much curd is used, the acid will develop too rapidly, much faster than the curd can expel the moisture. Under such conditions it becomes necessary to stir the curd time in order to prevent, so far as possible, acid cheese. Such curd will not make fine cheese.

STIR CURD TO MAKE TOO EARLY. Stir the curd sufficiently at dipping to get rid of all surplus moisture, flake well before milling, and do not salt too soon after milling, but stir the curd time to mature. Keep the curd warm all through the process. When the weather gets cold at-

tention should be paid to the curing room to see that a fairly even temperature of about 80 degrees is maintained, not allowing a temperature of 40 degrees one day and 60 the next. Let the cheese get a little start in curing before they are moved by the buyer.

MUCH OF THE PREJUDICE AGAINST LATE fall cheese comes from the poor appearance of an occasional lot. The cheese are sometimes damaged when the curd—and the press at too low a temperature. The result is a poor rind and unattractive finish. Avoid these defects by keeping the press room reasonably warm and taking every precaution to finish the cheese neatly.

PASTEURIZED CULTURE. Carry on the regular pasteurized culture. Do not depend on old sour milk for a starter, as this often ruins the flavor of what would otherwise be very good cheese.

COMPLAINTS TO BE TURNED REGULARLY. Bring fall cheese are often received. The rinds get soft if the cheese are not turned regularly on the shelves, and a great deal of trouble and loss may be the result. It may be that some of our younger makers do not fully realize the importance of these details, but care on between a fine and poor quality of late fall cheese.

Progress of Dairying in Canada

Conditions affecting the marketing end of the dairy industry in Canada have undergone rapid changes during recent years. In the past it has been the custom to estimate the growth of the industry on the export trade. This, however, has become an entirely unreliable guide because Canada no longer has a market to spare but on the other hand finds it necessary to import from other countries. These facts were brought to the attention of the Select Standing Committee on Agriculture and Colonization during the past season of Parliament by Mr. J. A. Ruddick, Dairy and Cold Storage Commissioner, who showed very clearly that the industry was not losing ground but is making steady progress. It was brought out that the Canadian people are consuming relatively more milk and milk products than heretofore and that an increasing quantity of milk is being manufactured into condensed milk, casein and other products.

During the course of Mr. Ruddick's interesting information concerning the tendency of the industry. This has now been printed in a pamphlet of fourteen pages for free distribution to all who apply for it to the Publications Branch of the Department of Agriculture at Ottawa.

How to Make Wash Day Easy

(Continued from page 6.) The water is kept hot for a long time, and the same water that washed the white fine clothes can, if desired, be re-used for the heavy stuffs. The washing machine that is driven by hand is an improvement over the old "ruba-dub-dub"; but the power-driven washer is away in the lead of all. Not only does one escape the calisthenics over the "corrugated banjo," but the grinding of the wringer is no small task. One-third of a horse-power does the job for one cent of a pint of gasoline now. One pint of gasoline is worth three cents. The rest of the figuring is easy. But can a woman run a gasoline engine? We will talk that over again.



Your Orchards and Trees

If a near-by farmer were making a huge success of his fruit trees, while yours were stunted and yielded poor returns, you would want to know the reason. If the soil and conditions were the same you'd know there was something wrong with the cultivation. Take the question of hardpan. Twenty years ago orchardists in California where there is hardpan, blasted treecoles to save labor of digging much more rapidly.

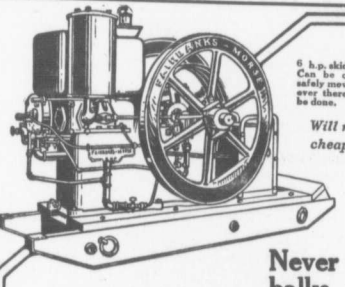
They lived through droughts; others died. They came into bearing two years earlier. They produced more and better fruit. C. X. L. stumping powder is unequalled for scientific tree agriculture, it loosens up the soil around the roots and allows the moisture to carry the plant food to the roots. Write us about arranging demonstrations.

CANADIAN EXPLOSIVES LIMITED

Transportation Bldg.



Montreal and Victoria, B. C.



6 h.p. skidded engine. Can be quickly and safely moved to wherever there is work to be done. Will run on cheap fuels.

Never balks

"While I hear of others in my vicinity who experience difficulty in starting engines manufactured by other companies, I must say that my Fairbanks-Morse engine purchased a year ago has never given me the least trouble."—Wm. G. Towias, Athens, Ont.

Fairbanks-Morse Farm Engines

are built for farm use. Their construction makes them adaptable for practically every class of heavy work met with on the average farm, whether it is sowing, hoisting, grinding, threshing, pumping, pulling stumps, cutting ensilage, or any of the other innumerable tasks that the ingenious Canadian farmer can devise. Because of their special fitness for farm work, Fairbanks-Morse Farm Engines are thoroughly dependable at all times and under the most exacting conditions. There are more than 115,000 in use today. Any size from 1 to 200 h.p. Vertical or horizontal, portable or stationary. Equipped with Bosch magnets and made to run on gasoline, kerosene or low grade distillate, the cost of the last being less than one-fourth that of gasoline.

The Canadian Fairbanks-Morse Co.

Montreal



Please send me your free booklet.

Name Address

Let us place this Eclipse GRAFONOLA and 24 Superb Musical Select- ions in Your Own Home on FREE TRIAL!

WE WILL upon receipt of the attached coupon properly signed and filled out have the Columbia Dealer nearest you supply you with one of these splendid Eclipse Grafonolas and complete outfit for free trial in your own home. This outfit includes the Eclipse Model with its five new improvements, 4 albums, each with space for 12 records, and 24 specially selected pieces as shown in accompanying list.

THIS OFFER opens the gate to all the music of all the world. For Columbia Grafonolas will play not only all of the four thousand selections which have been recorded on Columbia Records, but also any disc record of any make by any artist, band, or orchestra, without exception.

Pay for it as Convenient

If after thorough trial in your own home you decide that you can possibly get along without the pleasure a Grafonola affords, all you have to do is to return it. We will thank you for the opportunity of demonstrating it, and consider you under no obligation whatsoever.

If, however, you are like 98 per cent. of the people to whom we have made similar offers, you will want to keep this outfit as your own. To make this easy, you can arrange with the dealer to pay \$11.05 down and \$1.25 a week for 28 weeks. Just figure the extra value offered you here.

A machine that will play any disc record of any make, a tone that is sweet and pure with none of the "talking machine" noises that used to spoil this kind of music; four dandy albums to protect your records from scratch or damage; 24 fine selections from among the list of 4,000 Columbia Records, together with needles, etc., etc.—everything needed for evening after evening of the most supreme enjoyment.

Sign and Mail the attached Coupon Today

That is all the formality required and accepting this free trial in no way binds you to the purchase of the machine. Do not delay as this offer is being made to a number of other people and only a limited number of these outfits can be placed on free trial.

Music Supply Co. 88 Wellington St. West Toronto

Wholesale Distributors—Columbia Graphophones, Grafonolas, and Records

TO DEALERS

If interested in dealer proposition write or wire for details.

FREE TRIAL COUPON

MUSIC SUPPLY COMPANY, 88 Wellington St. W., Toronto.

Gentlemen:

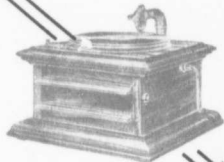
I accept your offer in "Farm and Dairy" to place a Model Eclipse, four record albums and 24 selections in my home on free trial through the nearest Columbia Dealer. I understand this free trial does not obligate me to purchase outfit. If I decide to purchase outfit, terms in accordance with your offer are to be arranged through Columbia Dealer.

Name Post Office

Express Office Province

Reference

Reference



Description of Machine

The Columbia Grafonola Model Eclipse includes all the most important improvements devised in the experimental laboratories of the Columbia Graphophone Company and proved good by the tests of hundreds of thousands of users of these instruments. It has the continuous tone chamber, which gives a tone like a Cello. It has the improved Cornet tone arm, with noiseless bayonet joints. It has the Columbia reproducer, which makes Grafonola music superior to that of any other similar machine. Has a silent two-speed motor, accurate speed regulator and a cabinet of beautiful design and splendid finish. Be one of the first in your locality to have this latest development in Columbia Grafonolas.

Four Wellington Record Albums accompany this outfit. These are strongly made, safe receptacles for the keeping of 48 records, 12 in each album.

Description of the 24 Selections in This Outfit

Each one of these records is a Double-Disc engraved by the improved Columbia process. They wear five times as long as those of any other make and give double value for your money. If after trial you care to exchange any of these for other records listed in the Columbia Catalogue the Columbia Dealer will be glad to make the exchange at the time of purchase of instrument.

LIST No. 1

No.	Selection	Artist
A8492	"Vicar of Bray"	David Bispham (Baritone).
A8489	"Thursday"	Ellery Band.
A8494	"Love's Dream After The Ball"	Prince's Orchestra
A8494	"Vision"	Prince's Orchestra
A8494	"The Poem"	Prince's Orchestra
R1470	"Nights of Gladness"	Prince's Orchestra
R1470	"I'll Dance Till De Sun Breaks Through"	Reg. Band of H.M. Soots Guards.
R1470	"Vision d'Amour Valse"	Reg. Band of H.M. Soots Guards.
R1438	"God Save The King" and "Rule Britannia"	Reg. Band of H.M. Soots Guards.
R1438	"Soldiers of the King" and "Tommy Atkins March"	Reg. Band of H.M. Soots Guards.
R1745	"Abide With Me"	Jean Schwilger
R1745	"Book of Ages"	Jean Schwilger
R1925	"Because"	Serg. Leggett (Cornet).
R1925	"I Heard You Calling Me"	Serg. Leggett (Cornet).
R1138	"Triumph"—Country Dance	J. Scott Skinner, "The King of Scotch Violinists."
R1138	"Luanania"—Polka	J. Scott Skinner, "The King of Scotch Violinists."
R1473	"O Come All Ye Faithful"	Church Quartette.
R1473	"Hark the Herald Angels Sing"	Church Quartette.
R2025	"Keep on Swinging Me, Charlie"	Chas. Holland (Baritone).
R2025	"I've Had My Fortune Told"	Chas. Holland (Baritone).
R. 296	"Song My Mother Taught Me"	Morgan Kington (Tenor).
R. 296	"I'll Sing Two Songs of Arab"	Morgan Kington (Tenor).
R2458	"The Gaby Glide"	Casino Orchestra.
R2458	"On the Road to Zag-a-zig"	Casino Orchestra.