MeMCHIGAN FARMER

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75 CENTS A YEAR



FARM NOTES.

Applying Stable Manure in the Winter. I would like to know, or inquire through your paper, a few facts in regard to the manure question. Is it a good plan to haul manure direct from the stable and spread it upon the land when there is a good depth of snow, or even when the ground is well frozen? When the manure frozens does the manure lose some of its freezes, does the manure lose some of its value? Last winter we had a heavy fall of snow, and I hauled the manure direct from stable to the field and spread it well by fork upon the snow. When I harvested my corn I could see no difference when the manure was not and where it was the manure was put and where it was not. This field was a very tough sod, that had lain for 13 years. Three crops of hay had been taken off and the rest of the time it had been pastured. It is of hay had been taken on and the rest
of the time it had been pastured. It is
a level field, and is well tilled. The soil
is heavy clay. I would like to know if
it was the dry weather or the snow that
carried the fertilizing value out of the

Washtenaw Co. W. J. S. It is the opinion of farmers and experimenters alike, who have tried different methods of handling stable manure that there is the least loss when it is applied to the land as rapidly as made, especially if drawn out on sod ground and spread at any season of the year. Only the moisture is evaporated or frozen from it, as the case may be, and the plant nutrients which it contains remain intact, and such plant food as may be washed from it by the spring rains is quickly absorbed by the roots of the grass growing upon the There is probably no doubt that the apparently poor results secured from the application of the manure in this case was due to the exceedingly dry weather of the past summer which would arrest decomposition which is necessary to make the plant food contained in the manure available. However, while no beneficial results may have been noted in the corn crop we believe there is no doubt that the succeeding crops will be benefited by the application of this manure, it is certain that the minimum amount of its fertilizing value was lost We are now starting to top-dress 30 when applied to the land by this method. acres of wheat with manure so as to be It was simply not available for the corn crop owing to the unfavorable weather conditions but will be available for the succeeding crops and will certainly benefit the mechanical conditon of the soil as well as increase its available content of plant food.

Testing Seed Corn in An Incubator.

I have watched the columns of your paper for information about testing seed corn. I want to test mine this winter and am thinking of using my incubator for that purpose. Any information on the subject will be appreciated. If my plan is a success I will report the outcome to you later.

Antrim Co.

N. G.

While seed corn may be tested in the clover. manner suggested and the plan has been winter I drew seven loads of horse mareported to us as successful by some of nure over to the back side of the farm our correspondents yet we believe that on a poor spot of ground in the wheat this is an unnatural method of testing field. I spread this manure very thinly corn and that the results might not be as on the snow. I think it went over a litfollowed. Those who have used the intemperature at about 85 degrees. Every man who has had experience in planting place. corn under favorable and unfavorable noticed conditions knows that seed which will which would germinate well in an incubator where the temperature conditions further down. were constant and moisture is supplied in a good stand in the field.

The writer had a very good illustration made only half a stand in an earlier great variation will be observed in the we do not sow? vigor of the germination of kernels from germination of every kernel used in the sow every year. test. Some that will sprout all right do so tardily and other sprouts are weak and there is no comparison with kernels from another ear under exactly the same It was known before the Christian era. better plan to test the seed corn under more natural conditions, using the testing box divided into squares by strings, as has been advertising Duroc swine in our columns, writes: "My advertisement in your paper has paid me well. I am enclosing copy for another year. Start it right away."

ferent parts of each ear in the square corresponding to the number by which the ear is marked.

The ordinary room temperature plenty warm enough for the purpose and if it varies a little during the day and night, as it ordinarily will, the conditions will more nearly approach the field conditions under which the corn will be planted. Then by rejecting all ears, the kernels from which do not give perfect germination, we will be sure, as near as it is possible to be, that the seed is first quality.

We should, of course, be glad to get the results of the incubator test, or several of them, if this subscriber or any other reader should try out the plan, but a test of this kind would have added value if it were checked by a test of a certain numnumber of ears made in accordance with the plan above outlined and a comparison of the results secured by the different methods noted.

Sawdust as a Fertilizer.

Can you tell me through your paper if decayed hardwood sawdust has any value as a fertilizer, and if so how should it be applied? a fertilizer, e applied? Montcalm Co.

There would not be sufficient fertilizing value in this sawdust to make it practical to apply to most soils unless it had lain in shallow piles for a sufficient length of time to become pretty well decomposed. If it were dried and used as a stable absorbent then considerable benefit would be derived from it. On hard clay land the mechanical effect of such an application, in addition to the vegetable matter which it contains, would make the appli-cation beneficial to the soil and increase its crop-producing power. However, care should be taken in applying this material not to put it on too thickly, especially upon light or open soils.

TOP-DRESSING WHEAT WITH STABLE MANURE,

We are now starting to top-dress 30 sure of a good catch of clover next We have five acres top-dressed spring. now and have enough manure on hand to cover four or five more that isn't frozen, down. The manure under cover we can draw a little later when we can't get it out of the yards. We have 92 acres of wheat straw to use up and make into manure and are drawing and putting in the steer yards and sheds two stacks we bought of the neighbors. Putting the manure on the wheat at the rate of seven or eight loads to the acre serves a double purpose; it holds the snow from blowing off the wheat and makes a catch of Three or four years ago this satisfactory as where some other plan is tle more than an acre. In the spring I sowed on the clover seed and did not cubator recommend the regulation of the drag it or roll it, but when we cut the wheat we had no trouble in finding the The man that pitched the wheat noticed that the bundles were a great deal heavier on this ground and the heads grow under favorable conditions will longer than elsewhere on the field. The sometimes give but a very poor stand clover was twice as good and twice as when the weather conditions are unfavor- large as in any other place, and when I able after it is planted. The constant cut the hay the next summer, I think temperature of 85 degrees is never ap- there was enough more hay on this one proximated in the soil at corn planting acre of ground to be worth fifteen doltime nor is the temperature constant lars. I am beginning to believe that the for long at any lower point than this, con- place for every fork-full of manure is on sequently we might expect that corn top of the ground on wheat, instead of being plowed under where it leaches still

This has been a good fall for the wheat proper amounts might easily fail to give and especially the corn-ground wheat. Some of our corn-ground wheat looks as well as if it was summer fallow wheat, of this fact last spring. Seed that made while the later sown does not look so a very good stand in another field plant- good. We had the 62 acres of corned a little later in the season under a ground wheat in by the third of October. little more favorable weather conditions The other we sowed about the 20th of timot September planted field when the weather conditions all our wheat and it is going into the were not nearly so favorable for its quick winter in good shape. Many farmers did germination. When seed corn is tested not sow timothy because it cost \$5 per in a testing box by the ear method a bushel this fall, but how can we reap if

We have made it a point to sow timdifferent ears and the best plan is to re- othy and clover seed every year, regardject all ears which do not give a vigorous less of cost and believe that it pays to

CHAS GOLDSMITH Jackson Co.

Virgil wrote about the granary weevil:











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EXPERIENCES WITH ALFALFA AT CHERRY HILL FARM.

I read all of the experiences with alfalfa published in the Michigan Farmer and some time ago I read an article from the pen of Mr. Lillie in which he seemed to be rather disappointed that the farm. ers throughout the state did not experiment in a small way with alfalfa, and -prised at Mr. Lillie's statement that he give the public the benefit of their experiences.

I want to say, for his encouragement, success, and I know of others that have been experimenting along the same lines.

I had about half an acre of ground handy to the cow barn on which I raised early sweet corn from which, after get- hills. Would he advocate nubbins for ting the corn, I would feed the stalks to seed corn or screenings for a good wheat the cows. Two years ago, early in the crop? spring, I went to a neighbor's who had previously and he kindly let me have sevseed on the half acre. This was early in the spring, in the fore part of April. The large crop. seed came up very nicely, the weeds came up very thickly too. I clipped the plants and weeds as soon as tall enough so that I could, but quite a large portion of the plot failed to make a sufficient stand to suit me, the rest turning pale and sickly looking and sparsely seeded. A year ago last fall I plowed up all that part along with a few rods more ground which I added to the experimental plot and sowed a very thin seeding of rye quite late, so it just nicely came up before winter set in. Early in the spring I spread with a manure spreader six loads per acre of well rotted manure, then sowed 15 lbs. of alfalfa seed which I dragged in thorcughly, destroying some of the rye but leaving enough so that I had a heavy crop of rye and a good stand of alfalfa.

I have an acre and a half contiguous to this experimental plot that raised a good crop of late potatoes. This strip of land, six rods wide, had been used for a wide lane to connect the cow pasture with the barnyard, and was therefore quite rich from droppings and old sod. I kept the potato ground clean and free from weeds and after digging cleaned the ground of tops and dragged in a thin seeding of rye, intending to treat in the spring the same as I did the other plot last spring, that is, apply manure and drag in alfalfa seed. Let me add that we have never found any forage plant equal to alfalfa for fowls confined in parks or for growing pigs or sows.

Kent Co.

J. A. SYMES.

THE SEED POTATO QUESTION.

In the issue of December 3, I notice an article on "The Potato Crop," by Colon C. Lillie, in which he says he grew 120 buof marketable potatoes per acre. I read that he also has 75 or 80 bushels of small ones which he intends to plant the coming season. He also says he is going to try and do better another year.

I think it is several weeks too late to inaugurate any system that will be of any particular advantage in improving his coming crop. Would he use a stallion that is known to be the sire of one weak and small colt in every six?

Would he choose the small and weak one to perpetuate uniformity in size, vigor and vitality in his future stock of farm I am sure he would not, yet he horses? admits doing this very thing with the producing stock of his coming crop of potatoes.

I heartily believe in the old principle of "the survival of the fittest." the envy of the whole world. In choosing even take his life, if necessary, in makpotatoes for seed I dig a portion of the ing his escape to Canada."

wrong time. I can say the experiment is
not conducive to a very general enlargement of a bank account, but it is making field myself with a fork and on coming to a hill with a large, well-formed stalk, monstrated with him for expressing such thing they say experience carrying an abundance of foliage. I choose it for breeding stock, providing it has no mut go to extremes in order to bring the hap some day I will be able to read the less than six uniform potatoes in it. A people to a proper mien." hill containing a small potato or one on which there is a single scab of any size, fluence of the red rag on a mad bovine in my judgment is not fit for seed.

This same system of choosing corn for Great Scott! Trees! Trees! What do breeding purposes, in which the style of you think I have been doing for the last stalk, length and width of leaf, type of term of years? We have trees (not magear, length, width and thickness of ker- nificent, because they are not old enough) nel, color of cob and grain cured on the that were once a delight to the eye but stalk away from sun, rain and frost, se- now hideously mutilated. I would almost stalk away from sun, rain and frost, se- now hideously mutilated. I would almost field of J. J. Hirst, there was a slight lected, graded and tested, have all been let my right hand lose its cunning and mistake. There were 18 acres of the taken into consideration, has enabled me my tongue cleave to the roof of my beets and an average tonnage of 18 tons to grow 711/2 bushels of shelled corn an mouth if I could blot from my memory and 200 lbs. per acre. I wish to state acre testing 60 pounds per bushel at the the language I used the time I discovered that after the labor bill was paid on the

I do not make a business of growing especially when the second was con- April 18.

potatoes for market, but what I raise I structed on the other side of the road. efficiency as is undertaken with my corn, can sympathize with me on this subject. dairy cattle, sheep, hogs and poultry. Kalamazoo Co. L. J. BRADLEY.

In Lillie Farmstead Notes I was sursaved his small potatoes for seed, and yet wants to increase his yield to 200 bushels per acre. I contend that seed pothat I have been trying, and with partial tatoes should be selected with as much care as the seed for any other crop. I would not advocate the largest potatoes, but well-shaped, medium-sized potatoes selected at digging time from productive

I would like to have Mr. Lillie explain over an old alfalfa sod the fall himself on the small potato question. I can hardly believe that he, as a practical eral bushels of soil which I sowed on the farmer, who usually advocates the best plot. After dragging to mingle the inocu- of everything for seed and the best of lated soil I sowed ten pounds of alfalfa stock for breeding purposes, would advise more were raised than was sufficient to the use of inferior seed potatoes for a supply the demand for a reasonable price.

> St. Joseph Co. GEO. SCHNEIDER.

SEASONABLE WORK.

We have lately devoted a few cold mornings to picking up the timber that has favorable for a good crop. accumulated about the farm and woods had blown over, or branches that were foot pieces, and with the saw and gasoengine, limbs and poles can be converted into wood quite rapidly.

There are also numerous little repair jobs that we have started, such as the howling about a "gang of thieves." Did repairing fences, but there are many more of these things to do, in fact it seems ing from 75c to \$1 per bushel for his as if such things are never done, and I potatoes? guess they aren't, but let a farm go for five or ten years without doing any of the same in the live stock line as in the them and compare it with a farm where potato or other crops. The writer of this things have been kept up and you will understand their importance.

We also have a start on the winter's manure hauling, most of it being hauled or from town in exchange for straw, though itable, the farmer ever ready to pick up some is obtained for the hauling. We are easy money, kept stocking up a little putting the coarsest of it around the heavier each year until the supply of young trees set last spring which we have been putting the protectors around. These are on cultivated ground, and the corn crop, sent hogs on the toboggan, by manure will be scattered and worked into the time the bottom was reached it was the ground next spring after doing duty as a mulch this winter. Some is going on the new seeding, using a spreader for this top-dressing. The finest and clean- lot of talk of robber packers, meat trust, est is being put on a part of the young etc., but the little joker was over-supply, orchard intended for strawberries next year. I like to get this well dressed in most discouraged of farmers (like the the fall so it will not be necessary to drive on the wet ground in the spring and pack it, and, too, the manure will have leached into the soil somewhat by spring, to fade, and the sun of rising prices apand after disking several times will be well incorporated with the soil, better, I believe, than if it had been applied in the

A LAST PLEA FOR SHRUBBERY.

Owing to your kind criticism of my article on road improvement, I ask the indulgence to say just a word more and I will then "go way back and sit down."

fifties. Gerritt Smith, the late noted abolitionist, after being egged off one makes it snow. platform made a speech in Syracuse, N. Among other things he said, "that a The same slave was perfectly justified to take his that made the noble red man, physically, master's horse, rob his pocketbook and

sentiments He

Mr. Editor, you know the proverbial inand yet you offer me solace of "trees."

strive to bring to as high a standard of I verily believe that many of your readers But in some things we must be practical, The survival of the fittest is the universal law and the telephone has come to WHY SMALL POTATOES FOR SEED? stay because it is an almost absolute necessity and the roadside trees must take a back seat until the wireless system is perfected. In the meantime, let all lovers of the beautiful join together in trying to influence our legislature to so modify the law that suitable places along our roadsides that don't interfere with travel can be grown to shrubbery.

DR. E. N. PALMER. Jackson Co.

THE LAW OF SUPPLY AND DEMAND.

Your editorial in the Michigan Farmer of October 29, relative to an answer to disappointed potato grower, was all right in so far as relative to the marketing of the crop, but it seems to me that the fundamental principle of all prices is supply and demand. The reason that potatoes were so cheap last year was because The same is true this year.

Previous to the last two years potatoes have for quite a number of years brought good prices. This has stimulated the average farmer to increase his acreage. The past two seasons have generally been

Increased acreage, plus good yield, has during the summer and converting it into created a surplus in a perishable crop; Some of this was drift wood from hence the slump in the market. the creek, some old rails, some trees that farmer in this case receives a financial punishment for his industry. This will broken off. The furnace will take four- right itself in a year or so; for as the farmers get more discouraged they will drop out or reduce their acreage of potatoes, then this decreased supply will bring up the price and then there will be no boarding up of sheds to shut out the disappointed potato grower ever hear a wind, the rehanging of broken gates, and grower of potatoes mention anything about being robbed when he was receiv-

> This law of supply and demand works some three or four article, was the same as hundreds of others, well supplied with hogs. For the previous two three years hogs had been pretty profpork was overtopping the demand. This, coupled with the general shortage of the something like \$4 hogs. This drop in the space of a few months left hog growers with a lot of sore spots. There was a plus corn shortage. After the deluge the writer), found themselves without any hogs; the more hopeful with a few hogs. Gradually the clouds of low prices began peared above the horizon, then the full brilliancy of day in the shape of \$10 hogs.

> About this time the writer had a good neighbor, (who kept his grip on the hogs all through the toboggan and the ascension), and every time he would see me would deal this kind of punishment: "How's the hogs, Grieb?"

Today there are two kinds of before the deluge hog growers, one as he smilingly cashes a fat check for a bunch of Some time during the late forties or porkers; the other (like the writer) quietkicking himself and wonders what

The above is written by an unsuccessful, though hopeful farmer, who has the unhappy faculty of getting hold at the wrong time. I can say the experiment is Some of his conservative neighbors re- me wealthy in experience. As a general a dear handwriting on the wall.

A right adieu until then. Ingham Co. LACEY GRIEB.

EIGHTEEN TONS OF SUGAR BEETS PER ACRE.

In the legend printed in your paper of November 26, with picture of the beet local elevator. This, too, on land assessed the results to the trees after the first crop at the rate of \$16 per acre, the beets at \$13.50 per acre.

the results to the trees after the first crop at the rate of \$16 per acre, the beets telephone line went through and more cleared \$78.25. The beets were planted on J. J. HIRST.



One customer writes:

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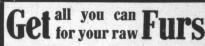


will get it for you. The ears will be fuller, the grains better developed.

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THE WORTHING & ALGER Co., Hillsdale, Mich

At the annual meeting to be held in the City of Hastings on January 3rd. 1911 at one o'clock, P. M., the members of the Michigan Mutual Tornado, Cyclone and Wind-Storm Insurance Company will vote on amendments to and revising the charter of the said Insurance Company. Dated Hastings, Mich., Nov. 26, 1910. D. W. ROGERS, Sec.

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FEEDERS' PROBLEMS.

Potatoes for Work Horses.

Potatoes for Work Horses.

I have 600 bu. of small potatoes. Have no hogs or cattle to feed, but am working from 10 to 12 horses. Am now feeding hay, oats and some corn. Would you advise feeding some potatoes to horses and how many, and at what time in the day? Could the other feed be diminished if potatoes were fed or would it be necessary to keep up the full grain and hay ration? Hay is our most expensive feed. It is worth \$20 a ton here.

Missaukee Co.

L. M. R.
Potatoes are a valuable addition to the

Potatoes are a valuable addition to the ration for work horses when fed raw in comparatively small quantities, say 10 to writer has made a practice of feeding a number of years, with excellent results, and prefers feeding them at night, although where it is desired to feed as many as practicable it is probable that ing a few at each meal. We have pracwhen there has been a surplus left in the spring, feeding about four quarts at a time without any noticeably bad results. If fed too liberally, however, they are apt to cause an undesirable looseness of the bowels, which should be guarded against in work horses.

reached the conclusion that where steamed potatoes to the amount of 30.8 lbs. per day were used in the ration, mashed and mixed with cut straw, they could be made to displace 11 lbs. of hay in the ration for horses at ordinary farm work. Reduced to figures better suited to comparison these results would indicate that 280 lbs. of potatoes fed as above described have a feeding value equal to 100 lbs. of hay. This would mean that with hay at a little more than 20c per bushel to displace it in the ration after being prepared than pasture should be supplied. If roots as above described. In another experi- are at hand they are unexcelled. to the cooked potatoes.

While it might pay to experiment with cooked potatoes under the conditions named in this inquiry, when a larger supply is available than could be fed out raw, for the average farmer the better plan would be to use the prtatoes as a succulent factor in the ration by feeding a smaller quantity raw. It is the writhis own experience in feeding potatoes to percentage of corn in the silage is high, horses, that when fed in this way the potatoes will effect a substantial saving in other feeds, through the promotion of a more complete digestion, and consequently greater assimilation of the nutri- tion as it is desirable to grow the lambs ents contained in them, and that when at first instead of causing them to take the trouble and expense of pooking the on flesh rapidly. Later, as the lambs tubers for horses is considered, would prove more profitable to the owner than any other plan of feeding them to horses.

MARKETING LATE LAMBS.

In many flocks each season there are a lambs that, on account of being dropped late in the spring or because of an inadequate supply of nourishment are too thin in flesh to be marketed with the rest of the lamb crop and must be sold called lambs are tail-enders and are spoken of as unprofitlow flesh condition. been stunted from improper nourishment are undesirable for fattening, as their deranged On the other hand if the cause is traceable to being dropped late and from all external appearances they seem reasonable cost. The flock owner who is desirous of securing as large profit from

lambs and endeavor to grow the crop robust and uniform.

Under ordinary conditions there is good profit to be made in fattening the late lambs, providing adequate accommodations are at hand for caring for the lambs and an abundant supply of both roughage and grain is available. In some parts of the state lamb feeders are on the lookout for late lambs weighing about 40 to 50 pounds as they are excellent material for the feed lot and when fitted for the market command top prices. The flock owner who has a goodly supply of clover hay and corn can well afford to retain his late lambs and prepare them for market. There is no other animal on the farm that possesses the ability to convert farmgrown roughage and grains into more profitable meat than lambs with good di-12 lbs. per day. They add the needed gestive systems. The fact that a lamb is quality of succulency to the ration and dropped late in the season and has not promote a better digestion of the other made as large a growth as some others feeds used, thereby proving of value, in the flock in no way impairs his ability aside from furnishing a small amount of to consume food profitably. In fact, I digestive nutrients in themselves. The have fitted late lambs for market at a writer has made a practice of feeding greater profit for the amount of food consmall potatoes to horses in this way for sumed than early lambs because the later lambs commanded a much better price

The importance of giving early attention to the preparation of late lambs for marbetter results would be secured by feed- ket can not be too strongly impressed upon the minds of flock owners. Late lambs ticed this plan on one or two occasions during the fall season do not make the growth that early lambs do and are likely to come into winter quarters very thin in flesh. A division of the flock should be made and the late lambs intended for fattening removed and put into a pen by themselves. Some flock owners practice fattening their late lambs along with the Some interesting information regarding old ewes that were too low in flesh to the feeding value of potatoes is to be market with the early lambs. This is not found in the results of experiments con- a commendable practice as late lambs do ducted in France and Germany to deter- not do well when fed along with older mine the amount of hay which might be sheep. The better plan is to make two displaced by the use of potatoes in the or three divisions and give each individration. From the result of a series of ual the best possible opportunity to make experiments, Bousingault, of France, economic gains. The self-feeding method with late lambs is not to be recommended as they are generally delicate feeders.

The late lambs intended for fattening should be gotten into the feeding pen as soon as possible after the flock has been taken off pasture. To allow the lambs to run on a meadow pasture more or less as weather will permit while being prepared for market is not a good practice, as the extreme alternation of food has a tendency to impair the appetite and reduce \$20 per ton the potatoes would be worth the consumption of fat forming foods. A succulent food of a more staple nature ment, conducted under less favorable con- silage is splendid and can be supplied in ditions the results were not so favorable moderate amount along with both the grain and roughage ration. I have fed ensilage to late lambs during the fattening period with marked success and know that the fattening process can be hastened at an economic cost. With late lambs however, greater precautions must be exercised in feeding ensilage as they are generally more sensitive and easier to get off feed. A part ration once daily will er's opinion, formed from the result of give most satisfactory results. Where the more care must be taken.

There is no better grain for late lambs than oats. At the present price they can be made a large factor in the grain raon flesh rapidly. Later, as the lambs come to their feed, corn can be added to the ration. Old corn is much to be preferred to new corn.

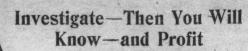
Shiawassee Co. LEO C. REYNOLDS

FROSTING HORSES' BITS.

The season has come when the farmer and the city teamster has began frosting the bits on their horses' bridles. plan is well known to every handler of horses, but few that do it really realize the importance of so doing. If you were to ask a farmer why he does it, he would tell you that it is so the bit will not into feed these late lambs for market will stantly freeze to the horse's mouth. This largely depend upon the cause of their is the truth. The same condition takes Lambs that have place in the horse's mouth, as when you take hold of an iron pump or pick up an iron bar in zero weather with wet gloves digestive systems have been weakened and on. You notice that they will instantly stick, sometimes leaving fine particles of the glove sticking to the frosty article.

May I humbly protest against not frosting the horses' bit in cold weather? It is why they will not make rapid gains at a humane act that every foreman should see to it that his men observe.

M. E. MORET. Wayne Co.



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REMEMBER, it is the only spring-pressure harrow made and spring-pressure control insures more perfect work.

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The New Deere couples automatically and unhitches from the load and has many other exclusive and valuable features. ALL IN THE BOOK.

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comfortable and keep em clean. We to do it, prove to you conclusively inchions are best—tell you all about nethion made that is opened and closed ving mittens. When open they cannot held rigid for animal to enter,—closed ely. Only smooth, polished hardwood was made to the contract of t ial—no slivers—no splinters. Blind bol s—always tight there. No cast iron parts! Wilder Stanchious pernit the greatest frotion consistant with safety and clean will hold anything from the strongest to the meekest "runt" in the herd,—wil clean and comfortable. Save your feed—your temper by starting right. ostal brings free Catalogue.

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\$2 to \$10 a Ton More to that of the reals, but is worth in Protein a \$2 to \$10 a Ton More to the reals, but is worth in Protein a \$2 to \$10 a Ton More to the real state of th

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Chicago Scale Co.

PRODUCING THE UNLIKE.

As breeders of live stock we are proud of the results that have been attained been multiplied in all kinds of stock until it is, perhaps, beyond the ability of the proper ancestral influences most of us to enumerate them. They stand as a monument to the skill of the and steadily, toward attaining something that is near, if not quite, up to them.

At this point I do not feel like overefactors. They have been more than the ones who have caused two blades of grass to grow where only one grew before, because what they have produced is so much better than what preceded it, that they are entitled to the honor of working out something that can subsist and make more gains on the same feed than the ancestors could have made, and near or remote in the ancestral lines.

Terms Criticised.

before observing men had cultivated their perceptive faculties up to the point of every step during the progress made, the close discrimination, that the aphorism, "unlike" has stood out in bold relief and close discrimination, that the aphorism, "like produces like," began to be used. lack of ability to select a term that will more closely express the idea that one desires to convey, the same "like produces the present time. In a primitive time it it and give credit where it is due. may have been used to convey the fact

first prize female may not bring stock superior to that from less distinguished toward improvement during the last cen- animals of the same breed. It is needless The fondest hopes that could have to say that many have learned lessons been entertained by our forefathers have that have cost them dearly by following been more than realized. Breeds have so uncertain a rule. In such cases there may, or may not, be a lack of blending of

A Better Term Suggested.

In breeding to improve both plants and painstaking breeders who have cherished animals, some facts should be kept in high ideals and have worked earnestly, mind. All new products brought forward in the breeding line are the result of the union of both the paternal and maternal ancestral influences, plus the improved looking the opportunity to say that the conditions with which they are surroundlive stock improvers are great public ben- ed, which makes it possible for the progeny to develop into something better than the ancestors on either side. Astute breeders are cognizant of this fact, and it has been that which has unlocked to them many of the great achievements that have crowned their efforts. Instead of the effort being made to produce the "like," it has been to produce the "unlike," which has proven to be superior to anything of a quality vastly superior to anything that has preceded it along that same ancestral line.

This production of the "unlike" has It must have been in very early times, marked the progress from a low to a higher form in all animated nature. At established a new standard and a new force of habit, and perhaps from line, that has been the measure of success attained in improvement thus far. The prepotency of the "unlikes" has wrought the changes for the better in the like" is very improperly used by some to past, and we certainly ought to consider

should If the facts were not true, we

that it will not work out as stated in all cases. The first prize male bred to the first prize female may not bring stock superior to that from less distinguished in most instances only good breeding the cause of the great slumps that have taken place in prices at Chicago, Omaha and other western primary markets in recent weeks, superior to that from less distinguished in most instances only good breeding.

of the great slumps that have taken place in prices at Chicago, Omaha and other western primary markets in recent weeks. In most instances only good breeding ewes have been retained by flockmasters. The range demand for rams has been fairly active, and the prospect is that in the future sheepmen will have fewer and better sheep. This unprecedented liquidation of old and undesirable sheep and lambs will result in western banks holding large sums of money.

The short crop of hay is not felt so much as it would be had there been a shortage of other feeds. Oats are plentiful and as cheap as hay, which vastly stimulates their use on the farm. Then farmers are utilizing their abundance of shock corn.

Illinois cattle feeders who make a great success in the business, always marketing prime beeves, whether they are long-fed or simply fat little yearlings, state that they are finding it almost impossible to purchase good beef calves for fattening. In Illinois they are paying from \$25\$ to \$40 per head, and yet the finished yearlings are sold every autumn at prices that warrant such prices for feeding calves. One of the most successful stock feeders in the country, a resident of central Illinois, remarked recently that yearlings are the only fat cattle that are making good returns to their feeders. He said that his yearlings had netted him this year around \$100 per head at the Chicago market, and for an eight months feed that is not bad. Last year they netted me about \$120 per head."

J. B. Brown, of Nebraska, is scheming to carry on his farm work as economically

they netted me about \$120 per head."

J. B. Brown, of Nebraska, is scheming to carry on his farm work as economically as possible, having before his eyes all the time the hired farm hand problem, for helpers thereabouts, as well as nearly everywhere else, are both scarce and dear in price. For several years he has fattened his hogs by turning them into his corn fields and giving them an opportunity to help themselves. The plan has worked out admirably, and last year he also placed his feeding steers in the corn fields with the hogs. The plan was such a thorough success that this year he has done the same thing, and other farmers will doubtless follow the same course. Mr.



renews and sustains the strength of weak, failing babies; pale, delicate children: tired, nervous women and feeble, aged people. It contains no alcohol, no drug, no harmful ingredient whatever; it builds up and strengthens the young as well as the old.

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to breed them where one is an exact duplicate of the other, is close to, if not, an could be done, and it were practiced, we ward improvement.

see why we can not produce animals that are an exact duplicate of the immediate ancestors. No two animals, one male and one female, possess characteristics that are exactly alike. The sire has his characteristics which are potent in their influences, and the dam also has characteristics that have their influences on the offspring, which result in a union of influences that depend to a great degree upon the physical condition of both sire and dam, and the produce is not wholly like either sire or dam.

Another expression indulged in by the jockey breeder is misleading; "breed from jockey breeder is misleading; "breed from the best and get the best." That remark often refers to animals that have won high honors in the shows. Such a remark is open to criticism, for the reason states have been well emptied of such

that animals reproduce their kind, or when racial characteristics had been fixed in a kind of animals they were reproduced. Definite characteristics are not reproduced with definite exactness, as all sclose observers must admit. When I see the saying used in print I feel like asking "like what?" We must consider that no two things are alike that are not exactly sequently as an obedient servant. Our the humans on our western civilization, the humans on control as we boast of our western civilization, the humans on this mundane sphere would never have made any progress above the primitive or both money and work. A careful test showed that the cattle and hogs wasted very little corn this year. Of course, a wet fall would result in quite a different experience, causing muddy feed lots, but such seasons are rare. He now figures on a period of feeding four months in this mundane sphere would never have made any progress above the primitive or both money and the new plan is quite a saving in both money and the new plan is quite a saving in both money and the new plan is quite a saving in both money and the new plan is quite a saving in both money and the new plan is quite a saving in both money and the new plan is quite a saving in both money and the new plan is quite a saving in both money and the new plan is quite a saving in this mundane sphere would never have made any progress above the primitive or both money and the new plan is quite a saving in the new plan is quite a saving i two things are alike that are not exactly sequently as an obedient servant. Our We can produce animals that are cattle, that are divided into the twenty or similar in make-up and appearance, but more breeds, would be no better than the impossibility. Such a thing is not desire the wild mountain sheep worshiped by able, for the reason that if such a thing the ancients in Egypt, the heads of which would not be making any progress to- an emblem of strength and courage. Our If we consider the matter closely we can hogs found in many parts of the world.

manner every year.

While there is no doubt that farmers

cattle, that are divided into the twenty or more breeds, would be no better than the wild ox in the forest and parks in Europe. Our sheep would be no better than the wild mountain sheep worshiped by the ancients in Egypt, the heads of which were worn on the heads of the kings as an emblem of strength and courage. Our hogs would be no better than the wild hogs found in many parts of the world.

The same facts would prevail in regard to our cereals. Our wheat, rye, corn, oats, barley, spelts, etc., would be no better than the degenerate descendant of the lily family, the coarse grass from which they are descended. Our apples would be no better than the wild crab apples of the primitive forests. The rule applies to all improved products with which we are blessed. Let us remember that it has been the "unlikes" that have led up to our choicest products.

Wayne Co.

N. A. CLAPP.

LIVE STOCK NOTES.

While there is no doubt that farmers will use an enormous quantity of their new corn for feeding to stock on their farms, the crop is so extraordinarily large that liberal amounts will be marketed, especially when prices are higher. Husking is pretty well over, and there has been some free selling of late around 40c per bushel at country stations, an advance of several cents stimulating sales materially.

The revolution in the hog market came as a complete surprise to stockmen throughout the corn belt states for they had generally come to the conclusion that the Chicago hog market was bound to fall should be no better than the wild crab apples of the primitive forests. The rule applies to all improved products with which we are blessed. Let us remember that it has been the "unlikes" that have led up to our choicest products.

Wayne Co.

N. A. CLAPP.

LIVE STOCK NOTES.

Wyoming and Montana ranges have been marketing old ewes, aged sheep and

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CONDUCTED BY W. C. FAIR, V. S.

Advice through this department is free to our subscribers. Each communication should state history and symptoms of the case in full; also name and address of writ pr. Initials only will be published. Many queries are answered that apply to the same ailments. If this column is watched carefully you will probably find the desired information in a reply that has been made to some one else. When reply by mail is requested, it becomes private practice, and a fee of \$1.00 must accompany the letter.

private practice, and a fee of \$1.00 must accompany the letter.

Sores on Shins.—What can be done for a colt that is troubled with sores on fore legs and how can I reduce a bunch on inside of shin above fetlock? H. T. H., Central Lake, Wis.—Apply equal parts oxide zinc, alum and boric acid to sores twice a day. Also apply iodine ointment to bunch on shin once a day.

Rope Burn.—I have a horse that has a sore under fetlock caused by a rope burn, which I have been unable to heal. Have applied every one of the simple healing remedies. W. B. S., Goodrich, Mich.—Apply equal parts iodoform, powdered alum and oxide of zinc to sore daily. If this sore is malignant, which I suppose it is, first burn it with lunar caustic a few times and this will stimulate a healthy action.

Weakness.—I have a bull 18 months old that is slow at time of service. J. C. J., Detroit, Mich.—Give your bull good care, some exercise and ten grs. powdered cantharides and a teaspoonful of ground nux vomica at a dose in food two or three times a day.

Ring Worm.—I have a steer that has a few bare spots on his nose and face; the hair drops out of these sore spots and I would like to know what it is and how to treat him. E. M. D., Greenfield, Mich.—Apply iodine ointment to bare and sore spots every day or two.

Sore Knee.—My cow has a soft, puffy bunch on knee which is some sore, but does not produce lameness, and I would like to know what will remove this soft swelling. E. D. M., Salem, Mich.—A soft, puffy swelling of this kind cannot be reduced entirely. Apply equal parts spirits camphor and tincture iodine to bunch daily; if the knee is sore and raw don't apply it, put on one part oxide of zinc and five parts vaseline twice a day. Try to prevent her rubbing the knee.

Swollen Fetlock Joints.—For the past three weeks the fetlock joints of my vearling steers stock. A. B. McK., North-Branch, Mich.—Give them each a teaspoonful of powdered saltpetre once a day for one week.

Abnormal Heat.—I have four cows that depoped their calves about a month ago a

roots.

Rarren Heifer.—I have a two-year-old heifer that had a calf last spring; she comes in heat regularly and has been bred several times but fails to get with calf. I tried the yeast treatment and I also opened the neck of womb, which was almost completely closed. What do you suggest? E. D., Woodville, Mich.—Dissolve 3 ozs. bicarbonate soda in 2 quarts tepid water and wash out vagina daily.

Obstructed Teat.—A two-year-old heif-

Obstructed Teat.—A two-year-old heif-er dropped her calf five weeks ago; since then a slight obstruction is in teat, but ho garget in udder. W. H. S., Kalamazoo. Mich.—Apply iodine ointment to bunch

Mich.—Apply iodine ointment to bunch once daily.

Cow Failed to Clean Properly. I have a cow that is troubled with a vaginal discharge which resulted from her not cleaning properly. W. J. S., Dearborn, Mich.—Dissolve 1 dr. permanganate potash in one gallon of water and inject her daily, using this wash freely. Give her a dessert spoonful of citrate potash at a dose twice or three times a day.

Piles.—What can be done for pigs that are troubled with piles? E. W., Freeland, Mich.—Dissolve 1 oz. sugar of lead, ½ oz. powdered alum and ½ oz. tannic acid in a quart of water and apply to sores two or three times a day.

Epilepsy.—Two-month-old pigs seem to be troubled with fits, but are in good condition. C. A. P., Almont, Mich.—Give each pig four grains bromide of potash at a dose twice a day. Their bowels should be kept open and active; besides they need exercise.

Sore Shoulders.—I have a horse that is troubled with sore shoulder and would like to know what to apply. O. C. O., Wayne Co.—Dissolve 4 ozs. sugar of lead, 3 ozs. sulphate zinc, 2 ozs. carbolic in one gallon of water and apply to sores two or three times a day. It is important for him to have a good fitting collar.

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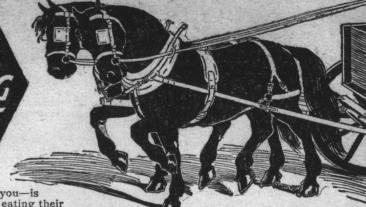
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0. I. C.—Sow pigs all sold, but offer some extra good boar pigs for sale, Sept. farrow, at reasonable prices. FRED NICKEL, Monroe, Mich. R. No. 1. O. I. C. Swine Spring, summer & fall farrowed, both sexes, breeding and type right. Geo. P. Andrews, Dansville, Ingham Co., Mich.

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Grand Son of Jackson Chief the World's Champion and Grand Champion O. I. C. Boar. Write for live let live prices on pairs not akin. A. J. GORDEN, R. No. 2, Dorr, Michigan.

RECORDED MULE FOOTED HOGS e said to be immune from hog cholera. Stock of all es for sale. John H. Dunlap, Williamsport, Ohio.

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Poland-Chinas—Boars ready for service spring pigs, either sex Write L.W. Barnes & Son, Byron, Shiawassee Co., Mich

Poland-Chinas

me of the Michigan State Fair-winners, 24 prizes at Detroit in 1910. Pigs of both for sale, sired by our prize-winners.
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P. C. BOARS, GILTS, WEANED PIGS at Right Prices.

Shipped c. o. d. with pedigree WM. WAFFLE, Coldwater, Michigan. POLAND-CHINAS either sex, all ages. Some thing good at a low price P. D. LONG, R. F. D. No. 8. Grand Rapids, Mich

Poland-Chinas Large styled growthy spring pigs, also and lowest prices. Robert Neve, Pierson, Michigan.

P. C. BOARS-Big growthy fellows, WOOD & SONS, SALINE, MICHIGAN. 12 P. C. Boars ready for service, sired by a Son of the World's Champion Meddler; dam, undefeated Lady Louise. Z. Kinne, Three Oaks, Mich.

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A FEW first class Duroc Jersey Service Boars
M. A. BRAY. Okemos, Ingham Co., Mich. Indpt phone
Order a fall pig early from my great herd and get choice. None better. W. E. Livingston, Parma, Mich.

BEST BIG TYPE POLAND-CHINA PIG in Michigan. March farrow litter 13 fit to head any herd. Price \$30; bred sows \$35: Aug. pigs, \$15; Sept. pigs, \$10. Pairs and trios not akin. Bell phone. J. C. BUTLER. Portland, Mich.

FOR SALE—Yorkshire Boar Pigs August farrow. Fine, thrifty fellows. \$15. registered. THE MURRAY-WATERMAN CO., R. 6. Ann Arbor, Michigan. Bell phone.

ARGE IMPROVED ENGLISH YORKSHIRE boar and sow pigs for sale, prices reasonable. A. McKAY SON. R. F. D. No. 1, Hersey, Mich. Bell Phone.

Large Improved English Yorkshires. The hog that makes good. Boars ready for service, Gilts bred for next spring farrow. A choice lot of fall pigs, pairs not akin. Satisfaction guaranteed COLON C. LILLLIE, Coopersville, Michigan.

CONDUCTED BY COLON C. LILLIE.

BUILDING UP A PRIVATE DAIRY MARKET.

Every dairyman who sells butter, or retails milk and cream is confronted with the problem of getting the best market possible for his produce. As a rule, it is easy enough to secure some kind of a market, but to secure the best frequently requires considerable effort.

To get fancy prices requires first of all that the product be of superior quality. This is particularly true of milk. The public is becoming aware of the dangers which lurk in dirty, unsanitary milk and is willing to pay a good price for milk whose wholesomeness is unquestioned.

To obtain big prices it is not enough to have products of superior quality, but whatever particular merits they have must be forcibly brought to the attention of consumers. In other words, a certain amount of advertising is necessary. the milk is produced in clean, ventilated, whitewashed stables, and from cows which are regularly tested for tuberculosis: if the milk is handled by clean, healthy attendants and is thoroughly cooled and aerated immediately after milking; and if, in addition, all this is certified to by a competent inspector, an increase in prices and patronage is certain to follow when such facts are placed before the public.

prices for dairy products than does the sible. home market. This is especially true of larly every twelve hours with the fol-butter and cream. These products per- lowing results which are an average of mit of long distance shipping and many findings from several hundred samples. outside markets may be glad to get them at fancy prices when the home market may be entirely overstocked.

Dairymen must not expect the market to come to them, however; they must seek the market. A visit or correspondence with managers of cafes, hotels, restaurants, drug stores and fancy grocery stores in different cities, is frequently the means of securing more business and better prices.

Where one is just starting in the business of selling dairy products direct from the farm or is trying new markets, it is good policy not to ask very high prices at the start. First demonstrate the merits of your products. If these are of a high order, consumers will gradually respond to the demands for increased prices rather than lose the products. Too high prices at the start are likely to discourage prospective buyers and thus deprive you of an opportunity to prove the value of your goods

One of the essentials in building up a good market is uniformity of product. Where this is lacking, improvements in other directions will be of little avail. On the other hand, products which are uniformly the same, week after week, and month after month, are likely to command good prices, even when of only medium quality.

Another essential in building up a good market is punctuality. If your customer expects his milk at 7:30, do not deliver it at 7:40; deliver early rather than late. If you are shipping milk and cream, or butter for that matter, you cannot afford to miss your train-even a single time. It generally means greater disappointment FEEDING THE COWS BEFORE CALVat the other end of the line than one would anticipate.

Always put yourself in an attitude to please. your product, you cannot afford to resent them. Usually there is a reason for the criticism. Try to discover the trouble and remedy it.

Cleanliness and neatness must charactary matters count for so much.

uineness and will assist in securing a better and more extended market. It is one of the best ways of advertising a superior product.

If it is intended to sell cream for manufacture into ice cream, it is important to get a market early in the spring. It itself will be richer in butter-fat. is difficult to find one in the flush of the ice cream season, because ice cream of pure-bred cattle, who desire to test state food laws are not effective when dealers, as a rule, contract considerably their cows for advanced regist ation, to the substitute looks, tastes and smells in advance of the time they need the

of customers before their accounts have run up very high.

No argument is needed to show the to consumers wherever this is possible. It means the elimination of the middleman whose profits are saved to the dairyman.

JOHN MICHELS. Wisconsin.

ONE SOURCE OF FLAVORS IN MILK.

The efforts of poor ventilation in cow stables upon the development of flavors in milk is not always well understood by milk producers. As a rule, if the animal is in proper health the milk will be normally pure when first drawn. But if the cow is milked in an unclean stable which is filled with vitiated air the milk will be contaminated and undesirable flavors rapidly develop.

In an endeavor to determine the relation between poorly ventilated cow stables and the development of bad flavors in milk, the writer made extensive investigation with quite definite results.

The plan of the experiment was to obtain samples of milk from cows kept in well ventilated dairy barns and from cows kept and handled by methods commonly found in barns where no system of ventilation was provided. These samples were collected in the stables as the cows were milked, put into sterilized glass jars and kept for several days in surroundings Often outside markets offer better where no further contamination was pos-Each sample was examined regu-

> Well Well Ventl'd Ventl'd Stables, Stables, Per Ct. Per Ct.

Clean, natural sour flavor. 93
Stable flavors 0
Stale, musty flavors . . . 0
Slightly ensilage flavors . . . 7

It will be noted that only 38 per cent of the milk from the poorly ventilated stables gave a clean flavor and that 62 per cent of the milk showed a most filthy contamination. If the cows are kept and milked in unsanitary surroundings, milk will absorb the stable odors before it can be removed to the milk room as these results plainly indicate.

The presence of an ensilage flavor was detected in a few samples from the well ventilated barns; however, this flavor passed off within a short time, leaving no objectionable effects. In case of the poorly ventilated stables if any such flavor was present it was entirely covered up by the very objectionable stable flavors. In every case where stable flavors were detected, it was a noticeable fact that they increased with the age of the milk. This was due to the fact that such flavors are produced from the rapid development of the undesirable bacteria.

These results only emphasize the vital necessity of having pure air in cow stables and in abundance. All that is required is to have the stables properly ventilated, which can be done with very little expense. Fresh, pure air is an absolute necessity, both from the standpoint of health of the animals and the production of pure, clean and wholesome milk. N. D. PROF. B. G. L. MARTIN.

ING TIME.

The dairyman of long experience does If criticisms come concerning not dread milk fever so much since the discovery of the air treatment, but there is danger in the air treatment, when it is administered by an inexperienced hand. Unless the udder and the instrument, yes, and the hands of the operator, are thor- a medium-priced restaurant in Chicago. terize the dairy business throughout. Milk oughly disinfected, poisonous germs may Oleomargarine is served in place of butwagons, cans, bottles, drivers, butter be introduced into the udder and very ter and there are no signs upon the walls packages, etc., must present a clean apserious results may follow. It is far betor printed statements upon pearance. External appearances count ter for the beginner to feed a little sparcards. for a great deal in these days when sani- ingly at this time and thus lessen the The writer has visited scores of such tendency to this disease. I do not mean restaurants in Chicago during the past The name or monogram of the dairy by this that the cow is not to be given few weeks and only in two or three cases placed upon the products guarantees gen- enough to eat. If she is thin in flesh has he found butter upon the tables. In when she freshens her usefulness will be every case the proprietor or an employe greatly impaired. Her milk flow will be has been questioned and the admission below normal and her milk will test low is readily made that it is oleomargarine also. If she is in good, thrifty condition The majority of them attempt to justify her strength and vigor will be devoted to their action by calling attention to the the work of giving milk and the milk fact that they have a license to sell oleo-

> It is a common practice among breeders Such conditions emphasize the fact that feed these cows very liberally during the like the genuine. Fraud is and must be

Where dairy products are shipped some ered that the cow that begins her work distance, it is important to determine be- in good flesh, and adjusted to a heavy forehand the reliability of the buyer. It grain ration will not only give a larger is well, even where milk and cream are quantity of milk, but the milk will test sold locally, to investigate the standing much higher. The Jersey cows at the St. Louis Exposition were prepare? their work by months of careful Landling and feeding. A large percentage of mein advantage of selling dairy products direct had milk-fever when they freshence but they were cared for by experts and suffered no harm from the disease. The record of that demonstration is almost astounding when we read it, but through proper care and feeding we are accomplishing the evolution of the cow and when next we have a great demonstration like that we may confidently expect to see even greater results.

For the practical, every-day dairyman the middle ground is the safe ground. But there are very many of us keeping cows who stay far back of even the middle ground.

Our cows are allowed to freshen thin and poor. We leave them out too long in cold autumn rains and we feed them too little and expect too much of them during the period of lactation. If our cows freshen in the fall in fairly good condition we can adjust them gradually to an ample grain ration and hope for excellent results.

W. F. TAYLOR. Oceana Co.

OLEOMARGARINE AND THE PRICE OF BUTTER.

The discussion given to the subject of cost of living has directed more or less attention to the federal oleomargarine tax and the price of butter. People who are in favor of repealing the present oleomargarine law have taken advantage of the situation to loudly condemn as "undemocratic and un-American" this "burdensome tax on a pure, wholesome and nutritious food product."

They conveniently forget to explain that over 97 per cent of the oleomargarine put upon the market is taxed at only onefourth of a cent per pound. They do not explain that only oleomargarine that is artificially colored is taxed at ten cents per pound.

Even if it were all taxed at ten cents per pound it would have absolutely nothing to do with the price of butter after the latter reaches thirty cents a pound retail. It costs about fourteen cents a pound to produce the best grade of oleomargarine. Add to this a ten cent tax and the cost of production would be twenty-four cents. The product could be retailed at thirty cents at a handsome profit to manufacturer and retailer.

Looking at the question from any view point it is clearly seen that the oleomargarine law has absolutely nothing to do with the price of butter.

The dairy interests of the country are not enjoying any benefit through oleomargarine legislation except as the integrity of the industry is maintained. In this every honest citizen should feel a keen interest. He should also understand that the effort put forth by the manufacturers of oleomargarine to secure legislation which will make it easy for men to commit fraud in selling oleomargarine is not inspired by love for the "poor man who wants a cheap substitute for butter."

The whole proposition may be thus summed up: Oleomargarine is now made to taste and smell something like butter. The manufacturers and a few retail dealers want the privilege of putting it upon the market so that it will look like butter, thus making it easy to commit fraud.

Every good citizen should be interested in effective pure food legislation and the oleomargarine law is just such legislation-no more, no less.

Minnesota. E. K. SLATER.

THE PUBLIC DEFRAUDED.

It is almost impossible to find butter in

margarine.

Keep hold of Do not pay freight bills. Do not deal with

risks of no kind. Do not be deceived by catalogues or advertisements. You can always have for free trial, right at home, without investing one cent, the "World's Best" cream separator, the universally

strangers. Take

Sharples Tubular Cream Separator

The latest product of the oldest cream separator factory in America and the largest in the world. When you buy a cream separator buy the best; buy one that you will be proud to have your neighbor see. You know who builds the Tubular and who guarattes it Write for 1011. Tubular and who guarantees it. Write for 1911 Catalogue No 152.



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The more you come to know about cream separators the better you will understand the overwhelming superiority of the **DE LAVAL**.

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this year. You can not lose but you will profit by doing so. Used by many of the best feeders of the state who find it a valuable feed, selling below it's true feeding value as compared to the other feeds and grain.

Cheaper, and gives better results than bran for which it is substituted by the best dairymen. which it is substituted by the best dairymen. Forms a valuable addition to any ration, being vegetable the mechanical effect is good which causes a better assimilation of the other feeds, Especially good with cotton seed meal as it counter acts the objectional features of this feed.

Dried Beet Pulp will cheapen any ration. Substitute it for a portion of the ration you use and you will secure better results in both production and improvement in the health of your animals. Call on your dealer, if he cannot supply you write

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F. W. BRODE & CO., Memphis, Tennessee—Established 1875

ALWAYS mention the MICHIGAN FARMER period of rest, because they have discov- connected with yellow oleomargarine. S. when von are writing to advertisers.

POULTRY AND BEES

PREVENTING THE EGG-EATING

VICE.

Egg eating is a rather common and

serious vice or evil which generally de-

velops during the season of confinement

and forced feeding. Poultrymen do not

look upon or consider it a disease, al-

though it spreads like a contagious germ

infirmity and, unless immediately checked, becomes prevalent throughout the flock.

Some able authorities claim the trouble

is a habit formed through the accidental

breaking of an egg and its consumption

by the hens. Others take the view that

it is the result of improper feeding, an

appetite for something not contained in

the daily ration being created thereby.

In any event, the cause of the trouble is

Egg eating commonly occurs where

hens are confined to limited quarters and

are so heavily fed for winter egg produc-

tion that a few of them lay eggs with

thin shells. Through accident, or rough

handling, these thin-shelled eggs are

broken in the nests, and after once find-

ing that the eggs can be broken the hens

soon acquire the habit of working at

them until they have broken the shell.

Where nests are constantly being used

the eggs accumulate, one on top of an-

other, and through the hens passing off

and on some eggs get broken. One pre-

caution, then, seems to be the providing

Three or four hens getting into one

nest is another source of trouble. This

may not come from the lack of nest ca-

pacity, but from the hens forming the

habit of laying in the same nest daily.

There is but one remedy for this condition

and that is to make the nest box plenty

large so that a double nest may be

formed and a nest egg placed in each end

of the box. I have found this practice to

partially remedy the trouble. Besides, it

Some poultrymen advise watching the

hens closely with a view to singling out

the guilty ones at the very outbreak of

60 White Leghorns I discovered a hen

attempting to pick through an egg shell,

I watched her for a few minutes and

found that she had broken the shell and

was about to consume the contents of the

gave her severe punishment and put her

in a small pen by herself. The punish-ment did not check the egg flow, but

completely broke her of the habit of egg

As early as possible after it is discov-

ered that the habit of eating eggs has

been formed, steps should be taken to

sacrifice a half dozen hens right at the

start than to allow the habit to become

prevalent in the flock. If the individuals

that have started the trouble can not be

stopped, then it is advisable to kill them.

perienced poultrymen that egg eating is

most prevalent among flocks receiving

improperly balanced rations. There is

little doubt that the direct cause is the

craving for something that the hens do

not receive. Of course, instances are fre-

quent where a mischievous hen will form

the habit and teach others, but I have

found that hens are less apt to cause

trouble if supplied with the right kind of

food and kept busy. When poultry is

confined to limited quarters in winter their food supply is entirely in the hands

of the person who has them in charge.

If special thought and attention is paid

to feeding a wide range of nutrients the

danger from egg eating is decidedly re-

It is generally thought by practical, ex-

With a wire hook I caught her,

Last winter in one pen of

It is far better to

keeps the eggs much cleaner.

eating.

check its progress.

of plenty of nest capacity.

vital and should be first considered.

Opinions vary as to the direct cause.

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On your buggy will keep you dry and warm, regardless of snow, rain, wind or coid. It will keep out every drop of rain, and no matter if its zero weather, the heat of the body will keep the inside of the buggy as your home. No foot warmers or extra

Notice the Large Window; it is 1220 inches, made of tough transparent celluloid; the line pocket is 14 inches wide and so strongly reinforced by light metal that it cannot tear out or sag. This allows you perfect control of the horse and you can open the "Bilizzard" at either side and get in or out with ease, or you can pull on the strap on either, side and jerk the irroit down on your lap in one pull; hence, it is called the "safe Bilizzard."

It is made of Gordon cloth, which is a double texture cloth, black on one side and tan on the other side, and being double texture it is ABSOLUTELY WATER and WIND PBOOF and is the finest cloth that can be used for "Bilizzard Fronts."

When the "Bilizzard" is not in use it can be folded up and put under the sect and is ready at any time. Sent by express on receipt of price, \$5.00; and we send it prepaid and your money will be refunded if not exactly as represented. Send for one; it's worth the price for one drive.

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I Will Tell You How to Make Your Hens Lay All Winter Get into the 150 to 256 eggs a year a hen class. Make your hens winter layers when prices are high. You can do it the Humphrey Way. Send for book, "The Golden Egg" and Egg-making facts on the Humphrey Bone Cutter and other Humphrey Poultry Helps.

HUMPHREY, Hall St. Factory, Joliet, III.

habit by locating the nests in convenient places and in the dark portion of

Put them up about two feet, with the opening next to the wall, leaving just have gathered during the day. sufficient room for the hen to enter. Boxes not smaller than a foot square, 16

Where double nests are advisable a box two feet long by a foot wide, with a low partition between, should be used. A great deal can be done through prop-

er feeding, especially feeding in such a manner as to give the fowls plenty of hard work. Mash feeding, damp or dry, should be done conservatively, as the feeding of mashes promotes laziness. Please get your subscription orders in possibility of error.

Grains should be fed in deep litter and only in moderate amounts. Meat and green foods should be plentifully supplied. When eggs are coming freely they should be gathered not less than twice daily, and oftener if convenient.

LEO C. REYNOLDS. Shiawassee Co.

HOW THE HONEY MAKERS SERVE THOSE WHO TREAT THEM WELL.

In rural districts, in country towns, or even in the crowded cities, the busy bee attends to its gathering of the sweets and distilling them into fragrant, nutritious and appetizing honey with a devotion and patience that may well teach a lesson to all. It is only the sweets of life that are worth the gathering after all.

There is much more in a colony of bees than the honey and wax they represent. They offer to any intelligent and inquisitive mind a rich field for thought. Nature is rich in resources, and the honey bees are in close relation with it. Sex in plants is now attracting more attention than formerly, and bees act as marriage priests; while gathering the pollen to make the bee-bread for their brood, they disseminate the father dust from flower to flower. The cultivation of the honey bee opens up a new world to the inquiring mind.

Bee-keeping is a pursuit in which any man or woman with ordinary intelligence can engage as an avocation, or as a side issue; it is both inspiring and profitable. In the ranks of bee-keepers are to be found men and women of every profession and walk in life. Not only in the country are bees kept, but also in cities. Bee-keeping is no longer a matter of chance but a scientific study. Of course, there are some who put swarms into empty boxes or nail kegs and let them shift for themselves, but that is not beekeeping. You would not think of keeping poultry or anything else that way without making a total failure.

A large per cent of the people who keep bees do not realize the necessity of being thorough in everything connected with the business. The chances to succeed in bee-keeping are, I think, better now than I have ever known them before; but, like all other lines of business, you must be thorough in all the details. The time is past when the lazy, careless, shiftless man can compete with the man who puts lots of hard work, energy and perseverance into his business.

If one has the qualifications of being cautious, observing, and prompt, beekeeping can be engaged in without fear of failure. To persons who swell up and are seriously affected by stings, it may be some comfort to know that after a few stings the system becomes inoculated against the effects of the poison, and then a prod from an angry bee becomes of little more account than a mosquito bite.

The management of an apiary is not a difficult matter, and demands comparatively little outlay to commence with. One handy with tools can make the hives and nearly all needed supplies. True, no matter how full instructions are received, or how many books are read, many points will have to be picked up by experience and observation.

Then there is no drudgery connected with keeping bees; every part of the work is clean and pleasant. There is work for the brain and work for the hands. There is also work in winter when we have lots of time on our hands. The hives can be made and painted, honey boxes prepared and everything put in readiness. This work can all be done indoors. Then, too, we may consider the product of the apiary a reasonably safe keeper.

When bees secure honey rapidly, each bee takes all it can into its honey-sac, then throws it out again, and so on, to evaporate the watery part of it, for all nectar when gathered is so thin that it Much can be done toward preventing needs much reducing before it is of the sistency stored in the cell and sealed over. What a source of pleasthe house. It is natural for hens to seek ure and recreation it is to pass among secluded places when about to lay. The secluded places when about to the floor. nests should not be too close to the floor. thickly at the entrances busily engaged in evaporating the new honey which they can please the bee-keeper more than finding, on turning back the cover of one of inches square is better, should be used. the supers, completed sections filled with snow-white comb honey, which he knows he will find a ready sale for at 15 to 20c a pound? This is the pleasure and profit which a bee-keeper derives from his bees. New Jersey. F. G. HERMAN.

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A few nice cockerels left at \$1 each. LEWIS T.
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DARRED PLYMOUTH ROCK-Hurry! Hurry!
Write quick if you want your pick out of a bunch
of Cockerels the large type, narrow barring, bred
right sired by dirst Cockerel at Grand Rapids Poultry
Show. A. J. GORDEN, Dorr, R. No. 2. Michigan.

Barred Rock Ckls. -Vigorous, farm raised, and bred from prize winners. \$3 each two for \$5. J. A. BARNUM, Union City, Mich.

WE will have a few ckls, to sell from Barred and Black Minorcas and White Leghorns. Write fo. prices. H. H. KING, WILLIS, MICHIGANTI.

White Wyandotte COCKERELS from heavy A. FRANKLIN SMITH, Ann Arbor, Mich.

YOU WRITE W. J. ROSS. Rochester, Michigan, for those beautiful sable and white Collie Puppies. of the finest breeding, and from stock workers.

TRAINED fox and coons. Also collies. Inclose 2-cent stamp. W. E. LECKY, Holmesville, Ohio.

NUT TREES.

Not to speak of the shade for the driveways leading to the house, or the ultimate profit to be gained from the wood itself, any of the nut trees planted today on the farm will in a measure help toward solving the problem of making the rural home attractive.

Of course, it can not be expected that the nut trees will mature in a few years after planting, but it will not take long for the trees to furnish abundant shade for young stock during the warm, sultry days of summer.

the inducements in planting this and adding bluegrass to the land, thus affording wormy apples. pasture for young cattle, is that there is no danger of fire, the leaves and stems of the walnut trees quickly assimilating with the soil. Even where the size of the farm will not permit of an acre or two being planted with nut trees, there certainly is room for quite a number in the vicinity of the dwelling or along driveways or roads.

Near Earlington, Kentucky, black walnuts, with the hull on, were planted in the autumn. The ground was prepared as for corn and the nuts planted four feet by four feet, 2,770 to the acre, and covered with soil from one-half to an inch in depth. The land was cultivated for three or four years, the same as for corn, and then blue grass sown. In ten or twelve years the trees were large enough to permit pasturing. In another grove the trees in 20 years had attained a diameter of from nine to 12 inches, the trees were thinned and this piece of black walnut forest afforded an ideal pasture woods. In another generation or so these groves will be worth a fortune.

MEETING OF STATE HORTICULTUR-AL SOCIETY.

(Continued from last week)

fancy prices for their fruit, Prof. Eustace stated:

Dr. Morgan, near Saginaw, has sold his apples at \$2.50 per box for fancy, \$2.00 for No. 1 and \$1.00 for balance.

In 1909 L. H. Stoddard & Sons, of Kalamazoo, received \$1.25 per bushel for fall varieties and \$1.50 for winter varieties.

Mr. Woodward led the discussion, stating on request how he grew and packed his apples. He prunes quite severely, cultivated well, and sprays thoroughly. This year his apples were more rusty than usual, which he attributes to weather conditions. His apples are sold before pick-Girls do the sorting, making three ing. or four grades. He thinks it more expensive to box apples than to barrel them. It takes time to work up a trade of this kind but it will stay as long as the fruit Mr. Woodward also explained is right. his method of grafting large branches or even trunks by setting scions entirely around the bark and cutting out part of them as the wound healed over. He has grafted limbs eight inches in diameter and got apples in four years.

In reply to a question as to planting the King David and Delicious apples, several Michigan except for home orchards. King David was reported as liable to water core and not a good keeper in southern Michigan, better in northern Michigan, ripening with Jonathan. Delicious was reported uneven in size.

Of the newer varieties Supt. Wilkin, of tivated for awhile. Spencer, and Milwaukee apples as promthough some considered the Duchess vised only for a home marker for which the trees. purpose some have received fancy prices

My Experience with Apples.

Mich., told how she grew 900 barrels of of lead. Each of these sprayings is done apples worth \$3,250, on 225 trees, about very thoroughly with power sprayers and six acres, on the shore of Lake Michigan, from four sides. Mr. Farnsworth has

south, west and north by The trees were originally Ben Davis but clogging of screens two screens are pro-Wagner, Jonathan, Baldwin, and in use. some others. Stable manure and cover No bordeaux was used this year and the crops were used to fertilize and furnish fruit was well colored and without scab. humus. The land was plowed by May 10, and cultivated until August 1, 12 cultiva-'tions in all, when vetch and rye were sown as a cover crop. The orchard had the habit of alternate bearing, and this was the bearing year. Spraying began with a power sprayer in 1909, using limesulphur before blossoming, and 3:4:50 bordeaux after blossoming, with 21/3 lbs. of arsenate of lead. This season limesulphur was used on part of the orchard after blossoming, but little difference in results could be detected. She was warned that the coddling moth was later Black walnut is a tree which should than usual and gave an extra spraying tosh, and Grimes bore a peck each at five answer the purpose very well. One of in June. In 44 bushels of Duchess there were but one bushel of culls, and six of

The discussion brought out the statement that considerable pruning was done in 1909, but little in 1910, and that no thinning had been done except on the York Imperial, the others having been thinned by the frost sufficiently. It was stated that the temperature during the warm March days was about 10 degrees lower than it was farther from the lake and in exposed places, while at blossoming time it was 10 degrees higher. Apples were packed Nos. 1 and 2 together, the Ben Davis bringing a reduced price.

Some general discussions followed along the line of pruning and cover crops. few advised against pruning when the wood was frozen, but no objection was raised except that the wood was more likely to split. Oats, or rye with vetch was cosidered a good cover crop, some preferring oats, as this would die out in the winter and give the vetch a chance to grow in the spring. Spring rye was advised by some for the same reason. Oats were considered good to catch and hold the leaves, but Mr. Friday thought them too wet at picking time and preferred something lower, as vetch. Both winter vetch and hairy vetch, alone or in combination with oats, rye, or barley were favored as a cover crop. Mr. Hilton Continuing the enumeration of Michigan preferred oats or barley with vetch, one growers who have succeeded in getting bushel of either with 20 to 30 pounds vetch per acre.

Apple Culture,

In his characteristic, practical manner, Mr. Farnsworth, of Ohio, told of the essentials in his method of handling orchards. He prefers a rather strong soil with plenty of humus. His land is rather level, and is tile drained, but the Maumee river is not far away, giving soil drain-He prefers to plant strong growing stocks, such as Spy and Ben Davis, and top work to desired varieties the same season trees are planted. He cuts stock with a slanting cut about two feet above ground and inserts one scion about the time of blossoming. Scions are cut from known trees before the holidays and kept slightly moist and dormant. Scions are cut with four to five buds and one is waxed over and will sometimes grow when others die. Has lost less than one per cent of grafts. Permanent apples are set about 40 feet apart, filling with such varieties as Jonathan and Duchess to 20 Keep the trees down by giving feet. them plenty of room, and hence plenty of light and food.

The first seven or eight years small who had tried them advised against it for fruits, such as currants and strawberries, are grown in the orchard, also potatoes. These are fertilized well with manure and commercial fertilizer. After this the orchard is plowed shallow in early spring, worked until July 1, when soy beans are drilled in two-thirds feet apart and cul-These are hogged the experiment station, reported the Akin, down, and vetch or turnips sown for a cover crop. The beans may be omitted Wagner was preferred to Ontario and cover crops sown directly, or as in by most growers. Both Maiden's Blush one case where the soil was rich, clover and Duchess were considered good varie- was sown in May and plowed under the following spring. As the trees reach maoverdone in planting. A discussion of turity, cultivation is abandoned and the the Strawberry Pippin brought out the grass and weeds are mown and mulch opinion in general that it was an apple hauled in. Trees must be given plenty of excellent quality and color, but soft of room and fed well. Feeds car of stock and subject to scab and rot. It was ad- and uses manure and phosphoric acid on

Two sprayings are given, one before the buds open, using lime-sulphur one to 10, and one soon after blossoming using lime-Miss Grace Taylor, of Allegan county, sulphur one to 33 with 21/2 lbs. arsenate in the locality. The soil was a light sandy few orchards near by the worms are well loam, rather high, and protected on the controlled and he does not find it neces- and possibility of error.

sary to give a late spray. To prevent MENTION THE MICHIGAN FARMER when clogging of screens two screens are promost of them had been grafted to Green- vided and one kept in vinegar when not All fruit is thinned thoroughly Only three rotted Gueii plums were found in packing 104 bushels.

Mr. Farnsworth prefers varieties of good quality, and says we can grow them to perfection in Michigan and Ohio. not afraid of western competition but thinks it a blessing, like the San Jose scale, as it is waking us up.

Pruning is considered a necessary evil and as little is done as possible. The head is started low, and little pruning done from this time until the fruiting period. This brings the trees into bearing earlier, Greening, Rome Beauty, McInyears under this treatment.

Mr. Farnsworth has a very unique method of marketing his fruit direct to the retailer or the consumer, shipping both by freight and express over the interurban railroad. He and his brother have a fruit car which runs over the road daily during the picking season, and fruit is delivered from this direct to the customer or the retailer. Most trees are picked over several times, color and maturity being sought for. All fruit goes into cold stoage at once, and is sold as the market demands.

In the discussion it was brought out that Mr. Farnsworth uses Transparent, Duchess, Strawberry Pippin, and Wagener as fillers, that his preference of varieties are Grimes Golden and Jonathan, that he prefers to plant some tenacious variety such as Stark, on the windward side of orchards, instead of windbreaks, that Wagener and Winter Banana had not done as well with him as some other varieties, that he did not believe there was any cheaper satisfactory substitute for arsenate of lead, that commercial limesulphur was used on everything except peaches after the blossoming season, when self-boiled was used.

Annual Banquet.

On Tuesday evening the annual banquet of the society was held in the armory, which large hall was filled with a cheerful and enthusiastic gathering of fruit growers. After partaking of a most excellent dinner a number of toasts, interspersed with music by Mr. Daniels and others, were responded to, under the guidance of toastmaster Garfield, of Grand Rapids: S. B. HARTMAN.

(Continued next week).

PROTECTING THE YOUNG TREES FROM MICE AND RABBITS.

For body protection of fruit trees, are using wire screen, and for many localities it would certainly be cheaper than the by-product of the basket factories as mentioned by Mr. Hartman in a recent We use 22 inch wire as the tops are started low and take the width for height. The width increases in the ratio of two inches to each size, and the cost per parcel is easily estimated as it equals in cents one-half the width. For instance, 22 inch wire costs 11 cents per yard, 24 inch 12 cents, and so on for any width. The above, of course, is by the single yard, and would be less by the roll or in larger quantities. The by-product above referred to would, we believe, be out of the question as basket factories are in the minus quantity in many localities, and obtaining it from a distance even could that be done, with transportation charges added and the much more time required in putting it on and taking it off would, we think, make it the more expen-The wire will last for sive of the two. years if carefully handled and stored when not in use and the strips need not be ider than to nicely lap around the

Another plan which, by extensive correspondence we have found to be entirely reliable, and absolutely free of cost other than the time required in preparation, is to use the butts of cornstalks. Large ones, of course, are used and cut any desired length. Halve them with a sharp knife and put them around the tree, pith inside. Tie at top and bottom with string, or if they adjust nicely to the tree tieing in the middle is sufficient. In spring, the twine is cut, allowing the stalks to tie on the ground and there is no trouble in storing. It stops both mice and rabbits and stalk butts are very cheap.

J. E. MORSE Wayne Co.

THE SOWING OF FERTILIZERS.

Commercial fertilizers are coming into more general use every day. That they are difficult to sow is well known to all users. The reason for this is that they vary as to consistency. Some of fertilizers are bone dry, others lumpy and sticky. Then, too, commercial fertilizers are affected by atmospherical conditions, which make them hard to The Superior Drill, made by The sow. American Seeding Machine Co., Incorporated, Springfield, Ohio, will successfully handle all known brands of commercial fertilizers no matter how difficult to sow. The Superior is guaranteed to do the work and to do it right. Therefore the farmer runs no risk purchasing a Superior. These drills are made in a wide range of styles and sizes, and in addition to sowing all brands of commercial fertilizers, as well as granular lime, will sow every known grain and grass seed, from the tiniest grass to large bush Lima beans without cracking the seed. The grain and fertilizer feeds are known to be positive force feeds. The mechanism is very simple and easily understood. The Superior is strong and will stand up under the most severe work. Write to the manufacturers for a copy of their Superior catalogue. Then go to your retail dealer and insist on seeing the Superior

Read What Spraying Did For This Farmer in an "Off" Year

One of our customers reports that in 1908 (a good fruit year) he harvested only 17 bushels of apples—poor ones at that—from his whole orchard, which was not sprayed. In 1909 (a poor year), he sprayed the same trees with a Deming outfit, and gathered nearly 300 bushels of fine, luscious fruit!

Deming Spray Pumps

have made good for other growers everywhere. They are substantially and durably
built. Deming Outfits have brass working
parts and won't rust out, nor eat out with
spraying chemicals and acids. Ask your
hardware or implement dealer; if he does
not handle them, write us direct for Catalogue and prices. We make pumps for all
uses. Distributing agencies in principal cities.

THE DEMING COMPANY 885 Depot Street SALEM OHIO Trees not Trees Sprayed Sprayed



Peach Trees

Mail size postpaid, safe arrival and satisfaction guar anteed. Immenes stock of SUPERB CANNAS, the queen of bedding plants. Acres of Peronias and othe Perronnials. No. 1 Catalog, 112 pages, for Fruits and Ornamentals; No. 2, 168 pages, for Seeds and Plants Both FREE. Direct deal will insure you the best at first cost. Trylt. 57 years. 1,200 acres. (18 The Storrs & Harrison Co., Box 134, Painesville, O.

Bigger Fruit Profits Here is a spray pump invented by fruit growers. It was our

by fruit growers. It was our endeavor to secure the best spray pump to use on our 300 acre fruit farm that produced the **ECLIPSE**

SPRAY PUMP

PLANT HARDY TREES Healthy, acclimated, high grade, true to label fruit trees and plants for Northern States at wholesale prices, direct from nursery to planter. Send for catalogue. om nursery to planter. Send for catalogue. CELERY CITY NURSERIES, BESK E, KALAMAZOO, MICH.

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WE GUARANTEE to stop THE MICHIGAN FARMER Immediately upon expiration of time subscribed for, and we will pay all expenses for defending any suit, brought against any subscriber to The Michigan Farmer by the publisher of any farm paper, which has been sent after the time ordered has expired, providing due notice is sent to us, before sult is started.

is started.

Avoid further trouble, by refusing to subscribe for any farm paper which does not print, in each issue, a definite guarantee to stop on expiration of subscription.

The Lawrence Pub. Co.,

Detroit, Mich.

DETROIT, DEC. 24, 1910.

CHRISTMAS.

"Sweetly the old, old story Treasured in song and art, The babe in the manger-cradle Appeals to the gentle heart.'

In our cover design, the artist directs attention to that transcendant, yet typifying incident .that for two thousand years has centered the world's love and sympathy and placed its impress upon the best of the world's humanizing progress.

Simplicity, innocence, helplessness and love, given accent by the guileless bovine faces looking on wonderingly and the rude wooden plow significant of the honest atmosphere of simplest husbandry.

As a type, it is the very commonest of human experiences—the beginning of every human life.

As a symbol, it is the supreme expression of love and all that it means for happiness and the development of a race.

And the wise men with all their knowledge, their philosophy, their vast stores of learned lore and their experience of the profitable organization by dairy farmers appropriated in previous years, this can world with all its greatness, its ambitions, in Michigan. During the past two years also be remedied by concerted action. In its pleasures, its craft, its wickedness, its there have been more than a score of fact, if the highway law has proven unpollution, its injustice, its suffering, its breeders' organizations effected, for the satisfactory in any way, a free discussion bitterness; how gladly, how reverently improvement of the common dairy cattle of the proposition at a meeting called for they approach the shrine of innocence as owned by the members through the pur- the purpose and the arrangement of a unto a fountain source of cleanliness, and chase and use of pure-bred sires. These definite program which represents the a rededication to nobility of life purpose organizations promise much for increasing ideas of a majority of those who are suffiin the atmosphere of love and unselfish- the profit from the dairies of the com- ciently interested to attend such a meet-

atmosphere of our Christmas relations the benefits derived. In the same little with our fellows, that the true spirit of country of Denmark, above mentioned in State Homestead and have recently been the occasion may ever remain a signifi- connection with the co-operative cow cant feature of its celebration.

CURRENT COMMENT.

That the farmers of The Parcels' Post Michigan have the State Association of Farmers' Clubs association of this kind are not living up and the State Grange reaffirmed their position of former years as not only asking but emphatically demanding that congress provide for such an extension of the posprovide for such an extension of the posprovide will strive to postpone the day opposition will strive to postpone the day when this demand will be heeded, but the figures presented compare a cow that will demand is yearly gaining in volume and intensity and we believe that the time is one that makes 350 lbs. in the same perinot far distant when it will be productive of results. But simply the passing of pound and the cost of keeping both cows in the sind are not living up to their own ecoto, their opportunities for their own ecoto, the Land Office at Lansing, Mich., will bring information regarding them. These been quite wintry for three weeks, snow-incondition for sleighing. Now they swamp lands, school lands, college lands, tax homestead lands, forfeited lands, etc.

For information regarding lands held by the United States Government in Michigan, inquiries addressed to The Michigan, inquiries addressed to The United States Land Office at Marquette, and that inquiries directed to the that inquiries directed to the state, and that inquiries directed to the state, and that inquiries directed to the Land Office at Lansing, Mich., will bring information regarding the culties for their own condition for sleighing. Now they award and its. Hands are of various classes, including swamp lands, school lands, college lands, tax homestead lands, forfeited lands, etc.

For information regarding the conditions of the s

The Michigan Farmer farmers will not accomplish this quickly, on the poorer cow would represent 6.2 per garding the lands held by the other. Most although it will prove helpful as an in- cent on \$60, while the net profit on the congress in such a way that there can be both cases and no account being taken of ing the attitude of his constituents on the better cow. This will illustrate some interested in the proposition so that a accrue to the farmers of any dairy com-fair proportion of us are willing to do a munity with a cow testing association to Association will be held in the new agri-little personal work along this line results tell them just what their cows are cultural building at the Agricultural Colnow in session, and it is a good time to improvement of their herds by the cheapdo personal work of this kind. Such work est possible method. should be renewed with the organization generally carried out.

Will Do.

from business organization among farmers tion among dairymen was thought by the secretary to be of sufficient importance to merit special menton in his report, and the organization of 28 co-operative cow testing associations in the country during the past year is reported, making a total of 55 such organizations now in operation net income from the dairy cows owned majority of them, believe that the presthrough a business organization which denying the fact that while the new law

And so unselfishness should pervade the members are enthusiastic in regard to the road problem in any community. the State Association of Farmers' Clubs association of this kind are not living up

ter to the attention of every member of milk being estimated at 20c per cwt. in office to fix their sale value. no misunderstanding on his part regard- the greater value of the calf produced by this question, and until we become enough thing of the financial benefit which would are not likely to be startling. Congress is doing and a breeding association for the

This is but an illustration of the beneof the next congress in March, and con- fits to be derived from the co-operative and ending Friday evening. Mr. C. G. tinued until results are secured, which organization of farmers along lines of Williams, of the Ohio Experiment Station, would not be long if this suggestion were community producton. The cow testing will give several addresses during the associations and breeding associations are Some interesting side mentioned because of the fact that they lectures, instruction will be given in corn What Organization lights are thrown on are in actual operation in our state, and judging. No fees will be charged for atthe economic bene- interested farmers can study them at first fits to be derived hand. But there is plenty of room for consist of ten-ear samples as usual. All profitable organization in other lines of exhibits must be received before 9 a. m. in the annual report of the Secretary of production as well, and this is the season on Jan. 17. If shipped by express, ship-Agriculture, which was recently made of the year when the subject should be ment should not be made later than Jan. public. The progress of such organiza- investigated and steps taken to effect 9. such organizations in many Michigan the association, an annual fee of \$1 becommunities.

expressed for and against the present of age exhibiting the best ten ears of highway law by Michigan Farmer read- corn under the rules prescribed by the asin the country. In commenting upon the ers. If the resolution passed by the State sociation. All who are interested in economic benefit of such organizations, Association of Farmers' Clubs at its an-"More and better corn for Michigan" the statement is made that in one of nual meeting during the early days of should write Secretary V. M. Shoesmith, these associations the average annual this month can be taken to be an accu- East Lansing, Mich., for a premium list, profit per cow was raised from \$21.43 to rate reflection of public sentiment on this which contains the rules under which ex-\$42.82 in four years. This means that the subject, the farmers of the state, or a hibits must be made. by the members of that association was ent law is an improvement over the old SHOULD YOU GET TWO COPIES OF practically doubled in four years' time highway labor tax plan. But there is no enabled them to have offical tests of their has worked well in many communities, it herds made by an expert employed by has not been productive of good results of the same issue. Some we know do bethe association. The data thus obtained in others, probably because of an unformade it possible for them to discard their tunate choice of officials in some cases As soon as your time is extended the unprofitable cows, and the advice of the and of the neglect of the electors to vote official tester often made it possible for a sufficient appropriation for highway im- please hand the extra one to some neighthem to use a cheaper ration than they provement to make a reasonable showing bor who is not a subscriber. He may had been feeding, with better results in when properly applied. It would appear subscribe the yield from their cows. from present indications to be reasonably had been feeding, with better results in the syled from their cown. From present indications to be reasonably. The samulator of congratulation that the first co-operative association of this ment against the new law to bring about the first co-operative associations and that there is not sufficient the new law to bring about the first co-operative in the co-operative in the first co-operative in the co-op It is a matter for congratulation that certain that there is not sufficient senti-

not ganizatons. The advantages are no great- others who may be interested in the same changed their attitude er for them than for the dairy farmers proposition, we will say that all state regarding the desirability of the estab- of Michigan, and the farmers of any lands are controlled directly by The Michlishment of an adequate parcels post sys-dairy community in Michigan who do not igan State Land Office at Lansing, Mich., tem is evidenced by the fact that both take steps for the organization of an that is, all lands which are available for

resolutions by representative bodies of estimated at \$40 per annum, the net profit these offices has on file information reof these lands are, of course, of less value dex of the trend of public opinion. Per- better cow would represent the same per- than privately owned lands, but they have sonal-work is needed in bringing the mat- centage on \$895.16, the value of the skim- been appraised by agents of the land

STATE CORN SHOW.

The seventh annual meeting and corn show of the Michigan Corn Improvement lege, East Lansing, Mich., Jan. 16-21, 1911. The educational and business programs of the association will be held during the week beginning Monday evening week. In addition to these and other tendance. Entries for the corn show will Entries can be made by members of ing charged for membership. During the past two premiums are offered in the different The Highway Law. years there have classes, including an automobile which been many opinions will go to the boy or girl under 20 years

SAME ISSUE.

Some subscribers may get two copies cause they have written us to that effect. extra one will stop. In the meantime

CROP AND MARKET NOTES.

Subscriptions Expiring After January 1, 1911

Subscribers whose time expires after January 1, 1911, (no matter when), will be given the benefit of our present subscription prices, providing their renewal orders reach us before January 1, 1911. But no orders, either new or renewal, will be accepted at the present rates after that date.

We advise those who can conveniently do so to send their renewal orders now and the subscriptions will be extended from their present date.

For only \$2 we will extend your subscription for five years or longer at the same rate, (the most liberal offer made by any publication), so that the advance \$1 per year to be made January 1, 1911, will not affect you for five years to come. It will be an investment that will pay for itself many times over and at the same time save you the trouble of renewing each year.

Kindly tell your friends and neighbors of our present offers and get them to order with you. Also tell them about the free premiums.

WHAT DO YOU MEAN?

You say in your issue of the 17th that anyone sending a club of five subscribers may keep 10 per cent to pay for remitting expenses and trouble in raising the club, and that papers clubbed with the Michigan Farmer do not count. Please make it plain. Kalamazoo Co.

Supposing your club of five consists of one 1 year subscription at 75c, and one 1 year subscription for The Farmer and Semi-Weekly Journal, \$1.35, two 3-year subscriptions at \$1.50 each, \$4.50, one 5-year subscription at \$2.00—the full amount would be \$8.60. Now deduct 60c for the Semi-Weekly Journal, which leaves \$8.00. Ten per cent (or ten cents on the dollar), makes 80c. \$8.00 less 80c is \$7.20. Add to that the 60c for the Semi-Weekly Journal, makes \$7.80 the amount you would remit.

Each subscriber would be entitled to a free premium depending upon the time they subscribed for. Of course, any person may send more than five at same rates, but we do not allow 10 per cent of the best equipped filibustering craft ever fitted out. The boat left for Central America.

After several days of wet and stormy weather, England has been visited by one of the worst gales that has occurred in when less than five are sent at one time.

53 NUMBERS IN 1910.

There will be 53 numbers of the Michigan Farmer issued in 1910, the first number being dated Jan. 1, and the last one on Dec. 31. This is so unusual as to merit comment. Probably few readers appreciate the added cost of getting out a single extra issue of a paper with a large circulation like the Michigan Farmer, but it is by no means a small item. It is, however, an expenditure that is a pleasure to the publishers, if the extra issue has, as we trust it has, been of value to its readers.

have worked much detriment.

The Canadian parliament was entertained by the unusual spectacle of 1,000 farmers who had journeyed from the great grain growing sections of the north-west to demand their rights in the governmental control of the country. They want free trade with the United States, reciprocity, the government ownership of a railroad to Hudson Bay and the government ownership of the terminal elevators. Their appeals are being given good attention by the government for the farmers command a strong contingent in the northwest.

The annual budget of Japan for 1911-12 shows receipts amounting to over 473,-There will be 53 numbers of the Mich-

the northwest. The annual budget of Japan for 1911-12 shows receipts amounting to over 473,-000,000 yen and expenditures aggregating over 540,000,000 yen. This budget is heavy for the country, but it is claimed to be necessary to improve the railroads and bring the navy up to the standard of other nations.

The breaking of a gas main which probably permitted the mixing of gas with air in the power house at the grand central station in New York resulted in a terrific explosion which shook Manhattan island almost from end to end, killed ten persons, injured 125 and did damage to property aggregating fully \$2,000,000.

On Monday Edward Douglas White, a democrat and an ex-Confederate soldier, took the oath of office as chief justice of the supreme court of the United States. He was an associate justice, and this is the first time in the history of the supreme court of this country that an associate has been advanced to the position of chief justice.

It is announced that terminals have been completed both in Chicago and New York for a tube line which is to connect these cities. Soon work will be started on the tunnel at a number of places along the line,

It is believed that a two-masted wood-

It is believed that a two-masted wood-en schooner was lost with all on board in the blizzard last Friday on the shoals in the vicinity of Great Round off the Massachusetts coast.

The common council of Baltimore passed an ordinance last week which forbids negroes from locating in city blocks where the number of white people outnumber the number of negroes and also prohibits white people from moving into blocks where the number of negroes predominates. The city solicitor pronounced the act legal as it shows no discrimination between the two races, working in both directions. The purpose of the measure is to segregate the races gradually by forcing the whites to certain parts of the city and blacks to other parts.

The postoffice department arrested 22

The postoffice department arrested 22 persons in New Jersey and Pennsylvania who are charged with swindling the public by the use of the mails. While some of the defendants are under the hand of the law for dealing in land swindles and stocks of no value, others have become

answerable to charges for, selling goods which they have never paid for, or receiving money for goods which they have never delivered. This action is in line with the other cleaning up operations of the department.

The blizzard of last Friday off the Massachusetts coast caused the wreck of four schooners and did much damage to shipping interests.

four schooners and did much damage to shipping interests.

The foreign trade of New York city for the fiscal year ending June 30, amounted to \$1,727,006,057. This is nearly one-half of the foreign trade of the whole country. Twelve oleo men have been indicted by a federal grand jury. Chicago packers have also been indicted again for combining to restrain trade and violating the Sherman anti-trust law.

The war department is conding the proposition of laying another cable between Seattle and Alaska at a cost of \$2,000,000. The present cable is inadequate to handle the business.

Foreign.

While the returns of the elections in the last three districts to ballot for representatives in the British parliament have not been received, the outcome of the election is known with sufficient certainty to settle the attitude of the people toward the former government, which government has been supported, the elections to date showing 395 seats for the government coalition and 272 seats for the unionists, giving the former a majority of 123. At the opening of the campaign the unionists had strong belief that they would gain in the number of representatives, but they not only did not gain but are likely to loose one seat. Now that the decision of the people is understood it is expected that a short period of quiescence will follow, although there is reason for believing in continued interest in that the leaders of the unionists declare that civil war will threaten should the government succeed in giving the Irish home rule. It is asserted that arms have been gathered in Ulster, a district of northern Ireland, for this purpose.

Earthquake shocks near the Pacific Ocean in Costa Rica resulted in the sink-

Earthquake shocks near the Pacific Ocean in Costa Rica resulted in the sinking of an island in a lagoon in Lake Salvador. There were about 170 people on the island at the time and all are reported lost. The island was raised during an earthquake disturbance in 1880.

The national assembly of China has selected a commission to draft a scheme to provide for the assembly becoming responsible to the nation and, unless this is done, the assembly will dissolve.

The gunboat Hornet which has been in the New Orleans harbor and reported to have been recently purchased by the Honduras government, has set sail, and it is now believed that the vessel is one of the best equipped fillibustering craft of the best equipped filibustering craft ever fitted out. The boat left for Central

weather, England has been visited by one of the worst gales that has occurred in many years. All along the coast wrecks are reported, sea walls have been broken down, and a large amount of shipping property destroyed. In the country places heavy falls of rain and driving winds have worked much detriment.

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<u>ეტიტიტიტიტიტიტიტიტიტიტიტი</u> Household Economy

How to Have the Best Cough Syrup and Save \$2, by Making it at Home.

გიიიიიიიიიიიიიიიიიიიიიიიი

Cough medicines, as a rule, contain a large quantity of plain syrup. If you take one pint of granulated sugar, add ½ pint of warm water, and stir about 2 minutes, you have as good syrup as money could



YOU START A CLUB KEEP IT INFORMAL.

"We would like your advice and aid in Fox. organizing such a club," writes a woman and "The Shuttle," by Francis Hodgson after reading the suggestion for a "Read-Burnett, furnish food for thought as well ing and Gossiping Club" in The Farmer. "Also, how would you keep it up?"

First of all, I should like to tell you of a little club to which I belong and which is the most successful and interesting club I know anything about. And it is a club without any organization, that is, there jealousy and friction. A half dozen women all interested in the same thing, literature, meet every Saturday afternoon at about what you want. half past two and read and discuss what is read for two or three hours. There is no presiding officer so the hostess usually starts the ball rolling by calling on some one of the number to read first. lady will read an article, or a chapter in a book and then follows a spirited discussion. The members read in turn usually, unless we talk so long there isn't time for keeping. The government bulletins on feel that she has a part to do if the club everyone to read. There are no rules of such matters may be secured by writing is to be a success. Of course, there are any sort, so it doesn't matter whether New every member is heard or not. members are never voted upon. If any small sum, and so would probably be bet- bring to the front their more retiring members knows of someone who would ter than the books on science which cost neighbors. like to join she simply says, "I have a friend who wants to come into our club." that the proposed member must be desirable or she would not be a friend of the lady speaking.

when I wrote the previous article. Simply an informal gathering of neighbor women for mutual benefit and improvement. In order to start it I would suggest that the woman who is really interested in the matter ask her neighbors to meet with her some afternoon. Tell them what you want to accomplish, over a cup of tea, nothing loosens women's tongues more than a cup of tea and a sandwich, and ask for the opinions and co-operation of your friends. If you want to form a real woman's club so you can get into the fedcration you will have to elect a president, vice-president, secretary and treasurer, have regular dues, programs, a motto, a flower, a color, committees and, hand in hand with that, jealousy, envy and much bitterness of spirit. If you only want to have a good time and at the same time be learning something, you will not organize at all, but simply all agree to meet every week from house to house and each member do all she can to make the meetings a success.

In the city, refreshments are not served at literary clubs except on special occasions when guests are present. For covers are joined together. the country clubs, this question should be decided by the members. If refreshments are voted for it would be advisable to makes a pretty contrast. This is a dainty limit the articles of food to a certain little gift fit for any woman's work box. number or each hostess will be trying to
do more than her neighbors. Let it be and simple. Many women deplore the decided that each hostess shall serve only three things, a drink, sandwiches and cakes, or any three things sl.e chooses.

As to the programs, it will be far more interesting not to make them pretentious. Say a certain time each week is set aside for fiction, 15 minutes or a half hour, just long enough to read a chapter or two from some good book. There are no end of good books which have been out long ow that they may be secured in cheap bindings for 50 cents a copy, many of them even for 25 cents. Among the books which would be interesting for such a club are those by Margaret DeLand, two of the best being "Old Chester Tales" and "Dr. Lavender." Much older than these, but similar in style is "Cranford," Pocket. ing a flap that hangs by Mrs. Gaskell. "Peter," by F. Hopkin- down over the top of the pocket. The son Smith; "Aunt Jane of Kentucky," by ends of this are trimmed to a point and Eliza Calvert Hill; "The Minister's Wooing," by Harriet Beecher Stowe, are all interesting. "Bob, Son of Battle," is the the pocket may be pinned inside any coat story of a dog by Ollivant. If you want or in first worn.

"The Weaver," by Gilbert Parker as entertainment, while "The Fair Barbarian," by the last named author is an amusing tale of an American girl from the breezy west who is suddenly set down in a conservative little English village.

These are but a few of the good books you can select from. If you write to the are no officers, no constitution, no by- publishing companies directly they will laws, no red tape, and consequently no send you a catalogue every month with the names of their books, and short reviews of each book so you can tell more

> "Domestic Science," by Richardson. Then had read them. there is a series of books called "Library" Just what ea of Home Economics," gotten out by the which could possibly come up in housea dollar or more.

That settles the matter. It is understood to choose from it would be hard for a advisability of having no dues. club to decide what one to take. Among

those which would be suitable for a woman's club are Harper's Bazaar for \$1.25 a year. This contains short stories and

decided upon by the members as no out-American School of Home Economics in sider knows what would be best suited and covering every question to the women of any one neighborhood. Whatever is done, each woman should the department of publicity at Washing-born leaders in every neighborhood, but These may be secured for a very these women should do all they can to Books and magazines, of course, will have to be paid for by con-There is such a host of good magazines tributions from each member. Hence the

DEBORAH.

If you will then put 2½ ounces of Pinex (fifty cents' worth) in a pint bottle, and fill it up with the Sugar Syrup, you will have as much cough syrup as you could buy ready-made for \$2.50. It keeps perfectly. And you will find it the best cough syrup you ever used—even in whooping cough. You can feel it take hold—usually stops the most severe cough in 24 hours. It is just laxative enough, has a good tonic effect and taste is pleasant. Take a teaspoonful every one, two or three hours. domestic features of general interest. The Woman's Home Companion, The Ladies' Home Journal and the Delineator are known to all women. The Mother's Magazine is a good magazine along the same lines and only 50 cents a year. If you want a magazine that deals more with outside interests and less with the home there are the Review of Reviews and the World Today. Most of these magazines have clubbing offers, some of them with the Michigan Farmer, and two or three may be secured together at considerably less than the combined prices. If this is done the magazines might pass from member to member between meet-For a work on household matters there ings, the contents of the articles to is none more highly recommended than be told briefly in club by a member who Just what each club will do must be

When You Buy a Piano you want to know you are getting the best for your money

A guarantee of absolute satisfaction, or money promptly refunded, goes with this recipe. Your druggist has Pinex or will get it for you. If not, send to The Pinex Co., 232 Main St., Ft. Wayne, Ind.

It is a splendid remedy, too, for hoarseness, asthma, chest pains, etc.
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This recipe for making cough remedy with Pinex and Sugar Syrup is now used and prized in thousands of homes in the United States and Canada. The plan has often been imitated but never successfully.

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That is the sort of club I had in mind GIFTS EASILY MADE BY DEFT FINGERS. BY PEARLE WHITE M'COWAN.

overly burdened, but who loves to give or shorter if desired, but it must be at Christmas presents to her friends is usu- least six inches wide and seven, or even ally looking for ideas of something neat eight, is better. and inexpensive that she may make with her own fingers. To such the following suggestions may be helpful.

The covers for the little needle book here illustrated are made of 30 little brass rings, 15 on the front and 15 at the back, which are covered with sansilk. This may be crocheted over them or the work may be done with needle and thread in a buttonhole stitch. The rings are then filled with a spider web arrangement of twisted threads similar to those used in battenberg and drawn work. The leaves, made of felt or heavy tennis flannel are cut in scalloped triangles to match the covers, and are finished around the edges in a buttonhole stitch with sansilk like that on the covers. Two small bows of narrow ribbon of a corresponding shade are placed over the place where leaves and as shown in Fig. A, just a third of one

The white of the leaves showing through the bright colors of the sansilk

The second little gift is especially useful absence of pockets in the coats and jackets of present day styles, and this little

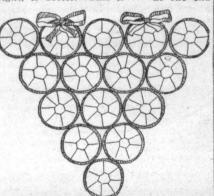
> want. It is merely a in each little pocket and the whole folded half yard of ribbon 41/2 inches wide, plain or may be fancy ribbon used, according to taste, with one end turned up to a depth of 51/2 inches and the edges neatly sewed together. About 21/2 inches above the top of this little pocket the remainder of the ribbon is folded over and gathered closely, thus forming a flap that hangs

Pocket.

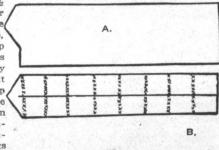
neatly feather-stitched while a little safety pin is fastened into the top so that

good stories of the south they may be A ribbon case is the third little article Ribbon Case.
found in "Red Rock" and "Gordon Keith," illustrated. This is especially appropriate up like an envelope and tied with narrow

The woman whose pocket book is never 23 inches long. It may be a little longer This is



Needle Book Made of Brass Rings. end straight and the balance cut to point, and is then neatly hemmed and feather-stitched. The lower edge turned up a third of the width of the whole ribbon, or half the width of the part with the pointed end. feather-stitched at intervals, as shown in Fig. B, leaving openings or little pockers about a half-inch wider than ordinary extra pocket is designed calling cards, and the straight end is to fill this long felt neatly hemmed. A card is then inserted





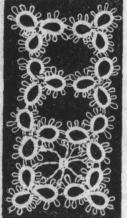
by Thomas Nelson Page, and "The Little for the young girl who has not yet ar- ribbon to match. The cards are, of Shepherd of Kingdom Come," and "The rived at the dignity of "doing up" her course, for wrapping ribbons around and, Trail of the Lonesome Pine," by John hair. It is made of fancy ribbon 22 or kept thus in this little case, any girl's

wrinkled. These are especially dainty when made of fancy flowered ribbon.

TATTED ALLOVER.

BY GENEVA M. SEWELL.

This pattern is composed of threeleaved figures of two d. nine picots each not welcome as a gift a piece of hand-separated by two d., two d. draw into a made embroidery. Of course, you know thread and cut off, then make another look well and which were within the figure like the first, fastening together at power of a busy housewife to accomplish." the middle picot of ring. ' Each four of these three-leaved figures when fastened design is filled with a web made by running threads in then twisting the needle around them so each thread is double,



then weaving under and over the threads at the center for three times then fasten thread and cut off. If it is desired to run ribbons in, the spaces are not filled but and marked half around it. Come over left as shown in the design. This is a tomorrow with your yard of linen," she left as shown in the design. This is a tomorrow with your yard of linen," she most useful design for yokes or strips of finished, as the relieved Mrs. Slater rose insertion. It may be made to conform to to go, any shape of pattern by fastening the figures together in that shape. It makes a beautiful baby bonnet when made of the silkoline crochet cotton. It also makes dainty collars and cuffs when made of ecru linen, in fact, is very serviceable where allover effects are desired.

A DOZEN SIMPLE CHRISTMAS GIFTS.

BY INEZ DE JARNATT COOPER,

"I just dread Christmas!" Mrs. Slater's usually placid brow wore at least a dozen little puckers and she sighed as she reached for another stocking to darn. things," answered her neighbor hostess.

t is not so bad as you think. Now for the family and intimate friends I can manage well enough but there are friends who give me little gifts which I am not able to return as far as cost is concerned and-"

"I faced that a year ago," replied her friend opening a drawer of the linen chest, "and you may see the result." Unfolding a roll of blue tissue she disclosed a pretty oval centerpiece done in Wallachian and outline. "This," she explained after her friend had expressed her admiraton, "is for Emma Little, and the other centerpieces done in the same, save for a bit of eyelet, is for her sister. They are both fond of embroidery but have no knack for it. This pin cushion cover, to 32 inches waist measure. To make She might make it herself, of course, but somehow one never does those things for oneself. This book mark is for the book worm friend whose name you see out-

"I just made one set of turnover points," she continued, holding up a dainty pair done in outline. "I had plenty of goods but it does not pay. I had rather make these jabots," holding up a three-piece jabot done in outline and eyelet and a two-piece one done in Wallachian and outline. "They are for Anna, you know she teaches and positively never has enough of such things. this Dutch collar done in solid is for Hilda. I confess I wanted to keep it for myself but it is just what she needs for her green coat. This smaller Dutch collar done in surface and Wallachian is for mother. I notice old ladies never want anything stiff or high about their necks and these new Dutch collars are a blessing to them."

"Oh, how pretty!" exclaimed Mrs. Slater, as her hostess unrolled a dainty

Lave to get a white ribbon draw string wide. And above pattern can be obtained by sending 10 cents to the office of the for it though. You see she has a hand-Michigan Farmer. Give pattern number embroidered parasol, dress and hat so it and waist measure.

ribbons will always be smooth and un- is a shame that she should not possess a wrinkled. These are especially dainty bag-spending the winter in the south, This two-piece neck bow is for Mrs. Christianson and this commode doily made trefoil fashion is for Jane Douglas

"You see," she continued, folding them "the value of these presents lies in the work. It is a rare woman who would ring. The rings are fastened together at that I can do finer work but my aim was the first picot. When three are made tie to make inexpensive presents which would

Mrs. Slater gasped. "But how did you ever manage to do it? You must have together leaves a round opening which been at it all year and how many yards may be filled in any preferred way. The of goods did you use? Your stamping bill, too? That must have been quite an item," and she sighed to think that her problem was no nearer a solution.

Mrs. Wentworth laughed. "I will try and answer your questions one at a time. and answer your grant them this fall, strictly speaking, the sixth of October, and was resting, nicely prepared for Christmas, before Thanksgiving. Then the number of yards used was one. Yes," she smiled, at her friend's surprised look. "They are all cut from one yard of linen for which I paid just 39 cents. The white mercerized thread cost enough to make the 12 pieces amount to 60 cents. It took lots of thread, you see, because every single piece is buttonholed. As for my stamping bill, I am not very good at drawing so I had to depend on patterns from my old outfit and those cut from magazines and newspapers. I used a piece of car-bon paper. I just placed these patterns with the linen on the paper and marked with a common lead pencil, sometimes using half a spool to mark the buttonhole border. I just laid the spool on the linen "and I will prove my assertions."

SHORT CUTS TO HOUSEKEEPING.

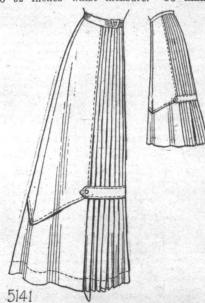
For biliousness, try a glass of lemonade every night before retiring.—Z. I. D.

A little bluing in the water with which windows are cleaned gives a clearer and less streaked appearance to the glass than anything else I have ever tried.-M. A. P. To cure corns, make a plaster of anti-

flagistine and apply. Leave it on until the corn can be drawn out by the roots.

A crust formed on my bread and to prevent this I dampened two thicknesses of cloth and laid on dough ten minutes ings," answered her neighbor hostess.
"I know it," replied Mrs. Slater, "but is not so had as you think. any cause, that is, just a little sour, spri-le each loaf well with salt just as mold it into the tins. When baked it will have no sour taste.-P. J.

LADIES' SIX-GORED SKIRT.



white handbag done in Wallachian, eyelet the skirt in medium size will require 6% and surface.

"Yes. That's for my niece. I shall yards of naterial either 36 or 44 inches wide. "The special white ribbon draw string wide."



Mother, guess you'll have to open the other package"

When the children find a wholesome food they really like, give them all they want.

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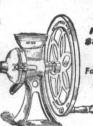
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ongly built, reliable, runs easily and won tget out of ler. Grinds dry bones, corn, oyster and other shells. Price of Mill shown, No. 750, is \$8.50. Weight, 6t. Grinds 14 bushels of corn an hour. Hardware and neral stores everywhere. Catalogue FREE. Famous Recipe Book, "The Enterprising Housekseper," for 4 cents in stamps.

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CIRCULATION DEPT., THE MICHIGAN FARMER, Detroit, Mich.

MARKETS

DETROIT WHOLESALE MARKETS.

Thursday
Friday
Saturday
Monday

Monday 53 56
Tuesday 53 56
Oats.—No change has occurred in oat values since a week ago Monday. The market is easy and there is little activity in the trade. The visible supply increased but a few thousand bushels. The price for standard oats at this date in 1909 was 46½c per bu. Quotations for the past week are:

Standard No. 3

		Stanua	IU. TIO. O
			White.
Thursday		. 35	341/2
Friday		. 35	341/2
Saturday		. 35	341/2
Monday			341/2
Tuesday			341/2
Beans.—As usua	l. little	e or r	othing is
being done in thi	s depa	artmen	t. Prices
have fluctuated th	e past	week	with fig-
ures ruling a lttle	lower	than s	even days
are Quotations a	no.		

Cash.	Dec.
Thursday\$2.00	\$2.03
Friday 1.95	1.98
Saturday 1.95	1.98
	2.00
Tuesday 1.97	2.00
Clover Seed The promised advan	ce did
not materialize and instead a slig	
cline was recorded in clover seed f	

cline was recorded in clover seed for the week just past. The falling off was not large, however, and the decline may be covered any time. The deal continues active. Quotations are:

Prime Spot. Mar. Alsike.

Thursday\$9.10	\$9.15	\$9.10
Friday 9.10	9.15	9.10
Saturday 9.00	9.05	9.00
Monday 9.00	9.05	9.00
Tuesday 9.00	9.05	9.00
Rye.—This grain is		
higher and firm. Quota		
851/a nor hu		

Visible Supply of Grains.

This week. Last week

	Flour,	Feed,	Provisions,	Etc.
Barley			. 1,622,000	1,744,000
Rye .			. 478,000	471,000
			.15,711,000	15,349,000
			. 2,094,000	1,510,000
			.42,994,000	42,666,000

Flour, Feed, rovining trade is easy with prices unchanged. Quotations are:
Clear \$4.65
Straight 4.65
Patent Michigan 5.20
Ordinary Patent 4.75

lard, 12½c.

Dairy and Poultry Products.

Butter.—Trading has continued smoothly this past week with no change in values, nor any noticeable alteration in conditions. Quotations are: Extra creamery, 30½c; first creamery, 28¼c; dairy, 23c. and packing, 20c per lb.

Eggs.—For the first time in several moons egg prices have declined. Increased receipts give the market an easier tone. The price is 1c lower. Fresh receipts, case count, cases included, are now quote at 31½c per dozen.

Poultry.—Geese and chickens are in large supply and traders are feeling easy.

Turkeys are scarce. Prices show little change from a week ago. Dressed chickens are still quoted at 12@13c; fowls, 11@12c; ducks, 16@18c; geese are up to 14c; turkeys, 20@22c per lb. For live birds, spring chickens are quoted at 11c; fowls, 10c; old roosters, 9c; turkeys, 18@20c; geese, 12@12½c; ducks, 15@15½c lb. Cheese.—Michigan, 17c; Michigan sharp, 17@18½c; York state, 17½@18c; York state sharp, 19c; limburger, old, 16@17c; Swiss domestic block, 20@22c; cream brick, 17@18c.

Dressed Pork.—Price is improved and it is now 9@10c lb.

Veal.—Choice, 11½@12c; ordinary, 9@10c per lb.

Fruits and Vegetables.

Rabbits.—Lower. Per dozen, \$1.50.

Rabbits.—Lower. Per dozen, \$1.50.
Apples.—Market is active and higher.
Fancy greenings are quoted at \$5.25@
5.50; Kings, \$5.25@5.50; Baldwins, \$4.50;
Steel reds, \$6; ordinary grades, \$2.75@3
per bbl.
Craphagica per bbl. Cranberries.—Lower. Quoted at \$3.25

per bu. Cabbage.—Steady. Selling at \$1.50 per

bl. for new.
Onions.—Higher. 75@90c per bu.
Honey.—Choice to fancy comb, 15@17c

Honey.—Choice to fancy comb, 15@17c per lb.

From Farmers' Wagons on Detroit Eastern Market.

On Tuesday the trading was light considering it being the week before the holidays, there being a small number of wagons on the market and not a numerous amount of buyers. As for former weeks the bulk of offerings was made up of potatoes, apples, pork, cabbage and roots. Potatoes are down from a week ago, now selling around 45c per bu. Apples, generally speaking, were of very inferior quality, mostly windfalls and culls. These were selling from 75c@\$1. Other grades ranged from \$1.25@1.75 and found ready buyers at those figures. Cabbage was quoted at 40c; parsnips, 45c; carrots, 35c; turnips, 35c per bu; chickens around 13c per lb; eggs, 40c per dozen. Good pork 10c per lb.

OTHER MARKETS.

Grand Rapids.

Grand Rapids.

Fresh eggs from farmers' hands are worth 32c, with supply a little better than a week ago. Butter dealers are paying 25c for dairy, with offerings more liberal and quality fair. Grain prices are practically unchanged, with wheat worth 89@90c; new corn, 48c; old corn, 57c. Hay is a little firmer, loose timothy bringing \$17, baled, \$18 per ton. Poultry prices are off 1c this week, quotations for live stock being as follows: Fowls, and chickens, 10c; turkeys, 18c; geese 11c; ducks, 13c. Dressed hogs are in good supply at 8%c. Veal is worth 6@11c.

Chicago.

Wheat.—No. 2 red, 93@94c; May, 96¼c; July, 93%c per bu. Corn.—No. 2, 46%@47½c; May, 47½c; July, 48½c.. Oats.—No. 2 white, 31@31½c; May, 34c; July, 40 Oats.

Oats.—No. 2 white, 31@31½c; May, 54c; uly, 34c. Butter.—Market steadier than a week

July, 34c.

Butter.—Market steadier than a week ago with best creamery showing a 1c gain. Dairies are quoted lower. Creameries, 23@29c; dairies, 21@25c lb.

Eggs.—Fancy grades have declined 2c but general receipts are steady at the old figures. Storage eggs are moving very slowly and the heavy holdings of such stock are having a depressing influence. Quotations: Prime firsts, 31c; firsts 29c; at mark, cases included, 19½ @22½c per dozen.

Potatoes.—Receipts are not so heavy this week but the market continues slow, with no material change in quotations. Choice to fancy are quoted at 43@45c per bu; fair to good, 35@40c.

Hay and Straw.—The better grades of hay and of rye straw are 50c@\$1 lower and the market is easy. Choice timothy, \$19@20; No. 1 timothy, \$18@18.50; No. 2 do, and No. 2 mixed, \$13.50@16; rye straw \$8@8.50; oat straw, \$7@7.50; wheat straw, \$6.50@7 per ton.

Beans.—The market is well supplied and common beans are lower. Pea beans, choice hand-picked, are quoted at \$2.08@ 2.10 per bu; prime, \$1.98@2; red kidneys, \$2.75@2.90.

New York.

No. 1 timothy, \$15.50@16; closed, \$15.50@16; rye straw, \$7@ cased.—All prices are steady with those of last week. Carlot prices on track are: Bran, \$25 per ton; coarse middlings, \$23: fine middlings, \$26; cracked corn, \$25; coarse corn meal, \$25; corn and oat chop, \$24 per ton.

Potatoes.—The situation fails to improve with continuous cold weather. There is an ample supply to care for the sluggish demand. In car lots Michigan potatoes are selling at 37@40c per bu.

Provisions.—Family pork, \$23.@24; mess pork, \$21.50; medium clear, \$21@22; smoked hams, 13½c; briskets, 12½c; shoulders, 11½c; lecinic hams, 11½c; kettle rendered lard, 12½c.

Dairy and Poultry Products.

Butter.—Trading has continued smooth of the strain of the policy of t Boston.

Wool.—The past week has been easy of territory wools but fleeces have ruled active and occupied the major part of attention given the market. Some Michigan %-blood has gone to the mills. The leading domestic grades are quoted as follows: Ohio and Pennsylvania fleeces—Delaine, washed. 34c; XX. 32c; fine unmerchantable 24@25c; ½-blood combing, 29@30c; ¾-blood combing, 29@30c; ¾-blood combing, 27@28c; delaine, unwashed. 26½@27c; fine unwashed. 22@23c. Michigan. Wisconsin and New York fleeces—Fine unwashed. 20@21c; delaine, unwashed. 26@27c; ½-blood, unwashed. 28@29c. Kentucky. Indiana and Missouri—%-blood, 29@30c; ¼-blood. 27@28c. Elgin.

Butter.—Trade firm at 30c per lb., which is the quotation of last week. Output for the week. 627.300 lbs. as compared with 630.300 lbs. for the previous week.

THE LIVE STOCK MARKETS.

Buffalo.

December 19, 1910.

(Special report by Dunning & Stevens, New York Central Stock Yards, East Buffalo, N. Y.)

Receipts of stock here today as follows: Cattle, 145 cars; hogs, 16,000; sheep and lambs, 16,200; calves, 800.

With 145 cars of cattle on the market here today, and with 19,000 reported in Chicago, we quote all grades of cattle as selling 10@15c higher than last week, and a fairly active market.

We quote: Best 1,300 to 1,400-lb, steers, \$2.56.665; good prime 1,200 to 1,300-lb, shipping steers, \$5.50@5.85; medium butcher steers, \$1.000 to 1,200-lb. shipping steers, \$5.50.6.5.85; medium butcher steers, 1,000 to 1,000-lb. \$5.60; light butcher steers, \$4.75.65; best fat cows, \$4.50.65; fair to good do., \$3.50.64; common to medium do., \$3.33.50; trimmers, \$2.50.63; best fat heifers, \$5.50.65.75; good do., \$4.50.65; fair to good do., \$4.25.64.50; stock heifers, \$3.50.63.75; best feeding steers, dehorned, \$4.75.65; medium to good feeding steers, \$4.40.25; stockers, all grades, \$3.50.64; best bulls, \$4.75.65.5; bologna bulls, \$4.65.5; stock stockers, all grades, \$3.50.64; best bulls, \$4.75.65.5; bologna bulls, \$4.65.5; stock bulls, \$3.75.66.9; good to best milkers and springers, \$50.60; good to best milkers and springers, \$50.60; good to best milkers and springers, \$10.60.60; good to best milkers and springers at the opening, with a good clearance of all that was yarded in time for the market.

We quote: Mixed, medium and heavy, \$8.05.68.10; vorkers, \$8.05.68.10; light yorkers and pigs, \$8.20.68.25; strictly pigs selling as high as \$8.35; roughs, \$7.67.25; stags, \$6.66.5; prospects look fair for the near future.

The lamb market opened slow today; most of the choice handy lambs selling at \$6.40.6.50; heavy lambs weighing over \$4 lbs. Don't look for much improvement balance of week, unless the runs are very light. Market closing 10.015c lower; will be 20 loads going over unsold. Sheep market is very slow today; most of the choice ewes selling at \$3.75.63.85; few fancy at 4c. Wethers, \$4.04.15, and ve

demand.

We quote: Best handy lambs, \$6.40@
6.50; heavy lambs, \$5.50@5.75; bucks, \$2.50
@3.25; heavy ewes, \$3.75@3.85; yearlings,
\$4.75@5; wethers, \$4@4.15; cull sheep,
\$2.50@3; handy ewes, \$3.85@4; northera
Michigan lambs, \$5.75@6.15; veals, choice
to extra, \$10.25@10.75; fair to good do.,
\$7.50@10; heavy calves, \$5@6.50.

Chicago, December 19, 1910.

plies of heavy long-fed cattle to meet market requirements. Milkers and spring-ers have a moderate sale at \$30@60 per head, with a sale of a fancy Holstein cow at \$95.

market requirements. Mikers and springers have a moderate sale at \$30@60 per head, with a sale of a fancy Holstein cow at \$95.

Hogs have been showing highly sensational fluctuations in prices for a week past, with prime hogs selling on Monday at \$8.10, which was the highest figure reached since the recent remarkable boom commenced, and going off sharply in the week under determined efforts made by buyers to depress values. The large eastern shipping demand has still been the main source of firmness, the local packers refraining usually from buying early in the day, at which time prices were apt to be highest, and coming in later and filling their orders at reduced prices for packing grades after shippers had purchased the cream of the offerings. Even shippers objected to paying the high prices reached on recent advances and tried to buy lower, while the reduced quotations caused stock shippers to send in hogs less freely as the week drew near a close. Provisions shared in the hog fluctuations and sold at high prices, consumption being curtailed by their great dearness. Stocks of provisions in five leading western markets on Dec. 1 were 95,098,000 lbs., compared with 90,171,000 lbs. a year ago. Hogs coming to market show up well in average quality, and the spread in prices has narrowed a good deal.

Sheep and lambs have not been meeting with a very large demand for a week past, and prices most of the time were on the down-grade under liberal offerings, but late in the week the slump in values led country shippers to send in stock more conservatively. Still the aggregate supply for the week was greatly ahead of a week earlier or corresponding weeks in former years, and this was unfortunate for sellers at a time when poultry was in great measure taking the place of beef and mutton. This decreased outlet is pretty sure to last until after New Year's, and then a better market may be expected, but sheepmen should endeavor to send in consignments conservatively after studying market conditions. The demand has run mai

Prices

660

THIS IS THE LAST EDITION.

In the first edition the Detroit Live Stock markets are reports of last week; all other markets are right up to date. Thursday's Detroit Live Stock markets are given in the last edition. The first edition is mailed Thursday the last edition Friday morning. The first edition is mailed to those who care more to get the paper early than they do for Thursday's Detroit Live Stock market report. Yeu may have any edition desired. Subscribers may change from one edition to another by dropping us a card to that effect.

DETROIT LIVE STOCK MARKETS.

Thursday's Market.

December 22, 1910.

Cattle.

Receipts, 344. Market steady at last week's prices. Best, \$8.75@9; others, \$4 @8; milch cows and springers steady. Spicer & R, sold Parker, W. & Co, 6 av 150 at \$8, 2 av 260 at \$4, 7 av 130 at \$8.25, 2 av 100 at \$6, 7 av 135 at \$8, 2 av 150 at \$6, 4 av 140 at \$8; to Mich. B. Co. 20 av 135 at \$8.25; to Schuman 4 av 130 at \$8.50.

Friday's Market.
December 18, 1910.
Cattle.
Receipts this week, 971; last week, 1,704. Market steady at Thursday's

Accepts this week, 311, last week, 55.25@5.50; steers and heifers, 1,000 to 1,200, \$5.00 to 5.50; steers and heifers, 800 to 1,000, \$4.50 do 5.50; steers and heifers, 800 to 1,000, \$4.50 do 5.50; steers and heifers that are fat, 500 to 700, \$3.75@4.25; choice fat cows, \$4.00 to 700, \$3.75@4.25; choice fat cows, \$4.00 to 700, \$3.25; canners, \$2.75.00; common bulls, \$3.60.00 do 1,000 for 1,000 f

Thursday's Market.

December 22, 1910.

Cattle

Receipts, 2328. Good grades steady; handy butchers, cow stuff and bulls, 1509

Step ligher than last week.

Receipts this week, 762; last week, 553. Market dull at Thursday's prices. Best, 1509

5.75; steers and helfers, 800 to 1,000, \$4.65

5.75; steers and helfers, 1000 to 1,200, \$5.900

5.75; steers and helfers, 1000 to 1,200, \$4.65

5.75; steers and helfers that are fat, 500 to 700, \$4074.75; choice fat cows, \$494.55; cool fat cool fat cows, \$494.55; cool fat coo

spicer & R., sold Farker, W. & Co. 6
av 150 at \$\$, 2 av 260 at \$\$, 7 av 130 at
\$\$, 25, 2 av 100 at \$6, 7 av 135 at \$\$, 2 av
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\$7,50, 2 av 125 at \$7.75, 1 weighing 160 at
\$7,50, 2 av 125 at \$7.75, 1 av 130 at \$7.50, 1 av 140, 1 av 1 caused general discouragement. Robert Miller, a stock shipper of Sher'dan, Illinois, reports that neither cattle nor hogs are plentiful in that part of the country and farmers are unwilling to dispose of their shoats. Oscar Cain, of Bagley, Ia., says that very light supplies of cattle and hogs may be expected from that section for two months. New corn is selling at 31 to 34 cents per bushel.

Hogs.

Receipts, 2,724. Market 20@30c higher than last Thursday.

Range of prices: Light to good butchers, \$7.90@8; light yorkers, \$7.90@8; pigs, \$7.90@8; light yorkers, \$7.90; stags one-third off.

Bishop, B. & H. sold Hammond, S. & Co. 1,825 av 180 at \$8, 619 av 175 at \$7.95. Av. 190 at \$8.

Haley & M. sold same 420 av 180 at \$8. Sundry shippers sold same 610 av 180 at \$8.

Sundry shippers sold same 610 av 180 at \$8.

Co. sold Sullivan P. Co. 720

Receipts, 2,724. Market 20@30c higher for two months. New corn is for two months. New corn is a to locations and low settlers rase, ov. 24th Superintendent of Schools, Boston, Mass., and Augustine L. Superintendent of Schools, Boston, Mass. This book, based upon the new course of English Sundry shippers sold same 610 av 180 at \$8.

Sundry shippers sold same 610 av 180 at \$8.

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Commany.

For pamphics as to locations and low settlers rase, ov. 24th Superintendent of Schools, Boston, Mass., and Augustine L. Superintendent of Schools, Boston, Mass. This book, based upon the new course of English Signed for the higher grades of elementary schools. Cloth, 12mo, 365 pages, with 11-light grades of the process of

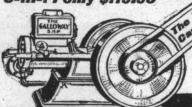
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HOME AND YO

THE BELLS OF YULE.

BY RUTH RAYMOND.

The Bells of Yule, the Bells of Yule,
Their music echoes far and near—
Across the meadows, brown and sear,
And northward where the snow drifts high
Like pillers pointing to the sky. Like pillars pointing to the sky

The Bells of Yule, the Bells of Yule They ring across the star-lit earth To charm our babes, where e'er their birth.

And echo on with sweetest strain Of "Peace on Earth, Good will to Men."

The Bells of Yule, the Bells of Yule, Sweet memories bear the sacred chime Still backward o'er the sands of time Till every man becomes a child By Golden Bells of Yule beguiled.

O Bells of Yule, O Bells of Yule,
Ring on, ring on this Holy night
With crimson holly berries bright.
This night with Bethlehem's star ablaze,
When all were together in the dimly
lighted attic, Ruth viewed the result of
her well-laid plans with happy satisfac-

THEIR FIRST CHRISTMAS TREE.

BY HATTIE WASHBURN.

Claus, and eagerly watched for his yearly visit when he was wont to leave a few simple offerings in their stockings, they ies devoured. had never seen a Christmas tree. Their When the pioneers to make a home on the treeless prairies of Dakota, and during the years of hardship that followed there had been delight quickly brought his sisters to the merrymaking as the candles burned low wonderful of all plants, the Christmas

At each Christmas time mother had told them beautiful stories of Christmas of it all, clapped her chubby hands and they all assured her, as she kissed them trees and in reply to their eager questions was ever forced to answer encouragingly, that perhaps next year Santa Claus would be rich enough to give them a Christmas tree, but this time they must be content covery. to hang up their stockings and be happy over whatever he might feel able to leave in them.

Ruth, the oldest of the little quartet, wondered why Santa Claus was poor and, if so, why he stinted those who needed gifts the most that he might give to the She had closely studied all the Christmas pictures they had, werein she saw children in richly furnished homes surrounded by more toys and Christmas goodies than they could carry, while in humble homes like her own, the children's Christmas gifts were invariably as simple as their surroundings.

After much trouble thought and study Ruth concluded that while old Santa was ever kind, one must be rich and have a law or ruling beyond her knowledge or withal to supply the necessities of life, were she and her little brother and siswas near at hand.

She knew that a pine tree was cusnot obtainable. About the claim shanty grew a small grove of saplings that father and mother had planted a few years before, and one of them, she was sure, could be spared.

Early Christmas eve, at Ruth's request, father brought the felled sapling to the door.

"Why did you bring two?" Ruth exclaimed in surprise as she noted what she considered a wanton waste of a tree.

"I thought the first might not please you neath him. and you would like to make a choice." her father explained with well concealed morning in mid-summer when he drove was good-natured again and disposed to amusement.

small, low attic of the claim shanty where water that had settled in a hollow after

brother next in order, Ruth fastened a temper, especially as the big Shropshire cord about the top of the tree and sus- ram which was just then emerging from trunk of the tree rested on the floor and puddle just as an automobile whizzed by, was supported by a battered doll trunk on giving its occupants, a gentleman and other. A lantern swung from the same sheep dancing around the puddle and convenient nail and lighted the tree, as daring him to come out. the children had no candles. Strings of

popcorn, tissue paper ornaments, a few soft glow over the humble room, transgleaned from their recent treats which splendor, as mother's wash bench cov-

preparations complete they called to their had given them for their tree, and a parents below stairs to come up and bring golden orange for each were arranged Baby Esther, who was unable to climb the ladder-like stairs that led to the attic. But mother came up alone and rolled some big red apples across the rough board floor, saying Santa had left them branches hung Tommy's first suspenders at the door for their Christmas tree.

The children gathered up the apples gleefully and would have quickly descended the stairs to see what other gifts Santa might have left, had not mother barred the way and, by tact and coaxing induced them to fasten the apples on their tree as Santa Claus had requested, and

her well-laid plans with happy satisfaction. Of course, it was not what she desired, for no gifts could be too rare and costly for those nearest and dearest to her, yet it was their first Christmas tree, baby distributed the gifts. The three chil-Although the Wright children knew the and so much better than none at all that beautiful and wonderful story of Santa she bravely hid her disappointment and laughed as gaily as the others while the gifts were being distributed and the good-

When the festivities were over mother them under her directions. parents had been among the very first said they might go below and see if Santa Claus had left any other gifts. Tommy the examination of the gifts. What sumpscrambled down the stairs and his cry of tuous feasting there was and innocent little to foster the growth of that most spot. There before their delighted eyes was such a Christmas tree as Ruth had last precious drops of melted wax over the dreamed of having.

> crowed, but the older children stood for good-night, that there never was such ana moment speechless with surprise and other Christmas tree. delight. Then they began to slowly circle the tree, exclaiming over each new dis-

They did not notice that bare brown by real Christmas candles that cast their

humble gifts fashioned by Ruth's un-forming it. Nor did they recognize the skilled but patient fingers, and goodies stand that supported the tree in spotless the children had generously laid aside for ered with white paper. Huge popcorn the occasion, were hung upon the tree. balls were heaped upon it in a snowy When the little Wrights considered their pyramid, while red apples like those Santa thereon in artistic disorder. Nuts and showy candies were displayed on the tree to great advantage in large bags of mosquito netting, and from the topmost in all their gorgeous beauty. A rag doll, fastened to a branch by a cord about her ample waist, showed, by her extended arms and the look upon her newly embroidered face, that her cotton-batting heart longed for the mothering that Baby Esther could bestow. Other gifts that mother had made after the children were in bed and her day's work over, hung upon the tree and added generously to the simle gifts father had felt able to buy.

When their wonder and joyous delight had slightly subsided, giving place to a desire for possession, mother said they might all be seated and play that they were a dignified little audience, while dren hastened to secure chairs, father helping to swell the tiny audience, and waited in happy anticipation while mother took the things from the tree one by one and baby toddled here and there with

What delighted exclamations followed in their wooden sockets and dripped their dismantled tree and the bench below. And Baby, who had watched the preparation when mother put the little ones to bed

As Ruth was gliding happily into slumberland she thought, dreamily, that Santa Claus, like God, must help those that help themselves, and if he had given them all branches supported the gifts. Strings of those gifts for their beautiful tree bepopcorn and tissue paper relieved the cause of her own earnest efforts, their plainness of the tree and it was lighted first Christmas tree, humble though it was, had borne wonderful fruit.

THE GATES OF BAKAPPLEIN

By { ELIZABETH JEWETT BROWN and SUSAN JEWETT HOWE.

(Continued from last week). Chapter III.—Bakapplein.

storm his neglect of duties caused. Natu- merriment added to his wrath. "If some his work, and when Ben returned he here I'll kill him," he shouted, making a ever kind, one must be rich and have a his work, and when the load of fertilizer still on the dash to evade him. But the ram, with beautiful home before he, owing to some found the load of fertilizer still on the dash to evade him. But the ram, with heaville her browledge or barn floor, while Ned was doing little or lowered head, forced him to leap back comprehension, could bestow his gifts nothing. He positively refused to unload into the security of the puddle. lavishly. As wealth, or even the wherewas obliged to help him, though he preseemed hard to acquire on the raw Da- dicted that there would be trouble when the buzz buggy air enjyin' this show as kota prairies, Ruth decided that they Mr. Jackson returned. For that Ned did much as we air." must provide their own Christmas tree not care. His cousin did not say a great deal. He was anxious to keep the boy ters to have one on this Christmas which near him until he had learned to work, so he gave the team to another to drive not going to stay here and give a free and set him at odd jobs around the farm show to those people." tomary, but such a Christmas tree was until the marketing began. This was work which Ned liked, because he could kill time as much as he pleased and keep out of the most of the dirty work. He coats shone like satin, but he would shirk pulled him away. the harnesses and stable work outrageously; he would work if he could keep himself clean, but all the time he was hated farm work which was so much be-

The leafless tree was carried to the head first over the wheel into a pool of vegetables and fruit. where all their childish revels were held. scrambled out, wet and dirty, the man's Assisted by Nellie, her sister next shout of laughter that he looked like a younger than herself, and Tommy, their bedraggled turkey gobbler did not help his pended it from a nail driven into a rafter the sheep fold took it into his vindictive

The girl's laughter reached his ears as ting Mary Baker's wire clothesline, he

the car stopped so that they could see the outcome of the drawn battle. Old Joe Ned was not all disturbed over the was doubling with laughter, and Merle's rally the other boys had objected to doing of you don't get that sheep away from

"Better ketch him then afore he gits you," laughed Old Joe. "Them folks in

Ned turned fiercely on Merle. "Here. you get that sheep away," he stormed; "you aren't afraid of him and I am. I'm

"It is because you are afraid of him that he keeps you there," said the girl as she caught hold of the strap around the sheep's neck. "Come on Shrop and would brush and clean the horses till their let the little boy alone," she said as she

Ned darted out on the opposite side and made for the house. He heard the girl in the automobile laugh again. Mortified planning and scheming what he would do and angry at the spectacle he had made as soon as he could get away from the of himself, he lost no time in changing his muddy clothes and putting on the neat business suit that he wore on the Merle was watching him one bright market wagon. When he reappeared he up from the vegetable garden with old Joe laugh over his accident, until he learned "I'll take this one," the little girl said, on the wagon. Wishing to show his skill that the whole flock of sheep had gotten electing the smaller of the two, "because with the horses he drove around the yard out of the pasture and that he was exthe other is too high to stand in the with a great flourish, bringing the team pected to help round them up before he attic."

to a stop so suddenly that he was sent could start for the hotel with his local of to a stop so suddenly that he was sent could start for the hotel with his load of

"Look out for Old Shrop," shouted Joe the children had their play-house and the rain of the previous day. As he as Ned started around the house after the flock, which, with sheepish perversity, were going just where they were not wanted. "He wants to give you the Third Degree again."

The automobile which had gone up the road was now slowly coming back. With in the peak of the attic. The slender head to give Ned another header into the a feeling that he wished to atone a little for the disgraceful, undignified plight in which they had seen him before, he one side and by a broken iron top on the young lady, a good view of the angry started valiantly after the sheep. In endeavoring to head them off, he darted around through the back yard. Forget-

WONDERED WHY

Found the Answer Was "Coffee."

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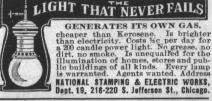
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did not duck for it and as it caught him plain view of the automobile.

As he struggled to his feet, with the clothes streaked with mud, the irate wompose of annoying her and ruining her between shaking him violently and administering box after box on his ears, she berated him loud enough for the pecple in the car to hear every word.

grasp: he was slight of build while she was brawny and stout, but he restrained himself from giving her as good as she sent and fled to the house to again make himself presentable, caring nothing what he recognized the people in the automobile and his face burned with shame at the thought of the picture he had twice made of himself for their benefit.

He was late in starting with the market wagon that morning. He liked the work of delivering the early vegetables from the Jackson Farm and the fruit from Old the farm." Beverly to the summer residents on the street, and also to the Winthrop House, a small but pretentious hotel which catered to high class patronage. He had often thought of the possibility that he might meet people whom he had previously known, but to avoid such an encounter he always despatched his errands as quickly as possible and hurried away. Consequently he made a success of that line of work and Searls was disposed to overlook his indolence on the farm as long as he marketed the produce from both farms so successfully. But that morning, while waiting in the rear of the hotel, he was startled at seeing the same automobile which had passed the farm drive alighted, a startled glance confirmed his impression of the early morning, and he recognizing him.

They passed slowly by the wagon, admiring the fresh appearance of the vegetables and the fruit. They were so near that he could hear each word they ut- did with anyone else. tered, and his face burned with shame not feel that way," she ventured. for fear they would see him and learn that he had been degraded into driving a market wagon for a living; he, who only few months ago had been treated as their equal. He wondered what chance had sent Mr. Amidon, the senior member of the firm of which his father had been superintendent, to that hotel. He did not mind meeting him, but his daughter was another question. He felt that she would probably consider him beneath her notice, now that he was a working man, and his only hope was that they would not see him and thus learn his identity.

Consequently he hurried through all his calls that morning as quickly as possible, hoping to thus avoid a chance meeting. He was back at the Old Beverly farm earlier than usual and Madaline Beverly came to the door in surprise. "You will have to wait for the sweet apples," she "I did not expect you and called cheerily. I have been too busy to go after them."

"I will help you get them," he anthe horse to the post under the big white mulberry tree which shaded alike the strawberry bed and the wood yard. "Where are the boys?"

"All down in the field at work," she "They are anxious to do all answered. they can before college opens next month, and Grandfather has gone over to your place wheeling Baby Nell in the carriage. He wanted the exercise and the baby and your sister.' needs the air. It takes me so long to do the housework that I do not get much boasted. other already. I don't work is such hard work."

you," he said gallantly. "Housework is sight, however." as much beneath your capabilities as But as he was driving out of the Bev-

of years she was disposed to look upon I see them." him as a shallow youth. His airs and aswho was about her age.

"Do you know, Ned, that it is always under the chin he lost his balance and what is the most difficult for us to do or rolled over and over down the bank into to have that we desire the most. Now, her flower garden, until again he was in as for my education, it was easy to acquire. I had the desire, and a natural gift for study, as well as an aptitude for blood streaming from his chin and his teaching; so I really do not deserve any credit for my achievements in that line. an, who evidently believed that he had I also liked needlework-but housework!" rolled down the bank for the express pur- she held up her bandaged hands in mock seriousness. "As a child I hated it, yes. flower bed, had him by the collar and, with a mortal hatred, but since I have grown older I have positively envied other girls and women who could accomplish housework easily. It is so hard for me, and although theoretically I know how He finally wrenched himself from her things ought to be done, yet it is such slow, arduous work. I regard housework as a very fine accomplishment and, so far as considering it beneath me, I think it is very far above me and I wish that I could be a first-class housekeeper. I became of the sheep, for he was sure that have hopes that I shall be yet if I keep on practicing, providing I don't seriously cripple myself while learning," she added lightly.

He looked at her in amazement. "Do you mean it?" he asked. I had an idea that you hated and detested it the same as I do everything connected with

"I mean it," she replied seriously. "My highest ambition is to be a first-class housekeeper, like my sister Lucille. She is a wonder, with a natural gift that way. And Brother Bob's wife, Dallas, and Nell also, are model housekeepers. So you see I shall have a great deal to learn before I reach their standards. But why do you dislike farming?"

"How do I know?" he grumbled. "It isn't my nature, I suppose. I hate to be classed as a hired man. You know my mother's people, who they were. Well, what would they say if they knew I was driving a market wagon? I hate to be called 'Jackson's man', when I am a Jackson. I hate to have those city snobs look up to the garage. As its passengers at me as an inferior just because I have to work, and when I am as good as they are. I saw some folks today I used to darted into the store room to avoid their know but I was mighty careful they did not see me.'

Madaline was puzzled. She scarcely knew what to say, for she felt that Ned was talking more freely with her than he did with anyone else. "But Merle does

"No, for in all respects they treat her just as if she was their daughter, the same as Yvonne. I do not know the truth of it but Jimmy Malley says the report is that Searls is going to adopt her legally. I wish they would," he added "Merle is the best girl on earth, heartily. but it is a little rough that they expect me to be a drudge and a day laborer."

"But what can you do?" she urged. What are your tastes?"

"Well, I like to buy and He hesitated. sell. I can drive as good a bargain as Searls can, but a fellow can't - business on nothing. He needs something besides jack knives and watches to show what he can do in that line, and Searls won't hear to me meddling with his deals. No, sir, he thinks nobody can trade horses and cattle but himself," he said scornfully.

"But isn't there something else?" she

"There's running engines. I would like to be an electrician, or an engineer, or swered, driving into the yard and hitching run a dynamo, or an automobile. It is a safe bet, Madaline, that if I ever get out of farming and away from West Winthrop

I will never have the desire to get back."
"Oh, yes you will," she laughed. "And when you are a little older you will lose that feeling you have of being ashamed to be found working. Who knows but those folks you saw have come to West Winthrop just for the sake of seeing you

"If they have they will get left," he "You don't know Grace Amidon. time for anything else," she said rue- She wouldn't look at a hired man. She "I have burned three fingers of hasn't been brought up that way. In her one hand this morning and scalded the set they don't work. Besides, it is four see why house- or five years since I've seen them isn't likely they know we are here. But "It is just because it is not suited to I shall take good care to keep out of

farming is mine. I can't see how such a erly yard the same touring car came brilliant scholar as you are can stoop to swiftly down the road. He pulled in his kitchen work, Madaline. How can you horse and kept his face averted until it do it?" had passed. "It is the Amidon's," he She laughed merrily. She was a few said tragically to Madaline. "I believe years older than Ned and from her height they are haunting me, for wherever I go

"They are looking for you all right," sumptions of manhood amused her. To she said laughingly. "And they will catch her he was a pretentious, rather affected you, too, if you don't watch out," she boy who took himself very seriously, so called after him gleefully. "Never mind, she answered indulgently as she would if they do, Ned. You look all right, and speak to her youngest brother, Carlos, that strip of court plaster under your chin makes you appear interesting. Make

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believe you are working for your health and she will not snub you, see if she

He overtook them at the turn of the road where they had stopped the car. The chauffeur hailed him with a question Associational Motto.as to where the Jackson's lived, but he answered evasively that he was not much acquainted. Then when they called again, after he had started on, he stopped his horse impatiently. "I'm in a hurry," he said irritably. "What is it you want?"

"We want to know about the roads. Which is the best one to take?" said the driver, shortly. "Of all country yaps you are the yappiest yet."

straight ahead was the best; that it led oped the usual interest for the delegates to several points of interest, one being the Frog Pond and the other the Thread City. Then he chirruped to his horse and essayed to drive rapidly past them, but the man called to him again.

We have been to both them places. The young lady wants to know if the car can climb this road up the hill to the west past the schoolhouse."

pion hill climber you might, but I would gates could be refreshed regarding them, saying here that the Cowantic hill is so backwards when trying to go up it one

could mount it," laughed the old gentleis very interesting; that there are traces were not noted by the delegates their atof the camp fires of the Indians, where tention may be called to these points lived in the shadow of the ledges. Also tention of the local organizations which there is a tradition, isn't there, of a tra- they represented. gedy being enacted there somewhere about seventeen forty-five?"

interested. "it is the first tragic event held by that Club. The second one was hoping that they would continue on their meeting to the organization and its mem-

(Continued next week).

CLAUS.

Claus causes quite a bit of comment he- are interested in the Club work, and are the state and the compulsory spraying fore and at Christmas time. The writer is given entire charge of the program for of trees where such is deemed necessary one of those who do not think it advis- one meeting during each year. The mem- for the common good. His address was able or proper to deceive the little ones as to the real Santa Claus. In our home we tell them that anyone who gives them a present is Santa Claus to them, and solving the problem of the admission of miss of four understands the celebration of the birth of Christ and is very much taken with the beautiful story. But she is not taught-as some are-that she is watched over throughout the year by a Santa Claus who will judge her good or bad or deserving of certain presents, and who will, at Christmas time, come down through the chimney to distribute whatever is due her.

We do not think it a mess of silliness as some do, and the giving and receiving of gifts is very pleasant, but we cannot see where they gain any benefit from being deceived as we were when children, and then bitterly disappointed when we learned the truth. No doubt we make many mistakes, but never knowingly and intentionally do we deceive the children.

they were as happy as little tots could the members. be. It was "Merry Xmas" the first thing in the morning, and the stockings were had put in the night before, and a merry time we had as a family. The other gifts which came by relatives were displayed gift came from.

deceived by father and mother.

is the farmer's most valuable asset.

Associational Sentiment.-

The farmer, he garners from the soil the primal wealth of nations.

WHAT THE LOCAL CLUBS ARE DOING.

The conference of local club workers at He answered briefly that the road the recent Associational meeting develpresent, and no session of the convention was better attended. In the brief talks given by the delegates from the several local Clubs represented, little more could be done than to give a general outline of "Don't be in such a rush, young fellow, the manner in which the local work is carried on, and, of course, in reporting what each one said much that was of interest must of necessity be omitted. But the suggestions dropped were often of Ned laughed. "If your car is a cham- such value that if the memory of delenot advise you to try it. They have a their reports to the home Club would be greatly enhanced in value, and it is for steep that even the devil himself tumbled this reason that we shall undertake in this and succeeding issues to give a brief summary of the more important points "Then you don't think a devil wagon mentioned by many of those taking part in this conference, to the end that if they "They told us at the hotel that it should hold any helpful suggestions that they built their tepees and where they which may thus come directly to the at-

Wixom Club, of Oakland Co.-Mr. Theoventeen forty-five?"

dore Moore, who represented this Club dered brought enthusiastic applause from "I believe there is," said Ned, growing made special mention of the fair which is the delegates assembled. bership.

TELLING THE TRUTH ABOUT SANTA who represented this Club stated that it fungous diseases and parasitic has never missed a meeting, except on a homes of the members. As a means of succeeding issue. given all privileges of the Club, except the Blind School. that they do not have to entertain. This plan has worked out very satisfactorily in this Club, which is one of the most progressive in the state.

Webster Club, of Washtenaw Co.-Mr. Club has a membership of 84, and that he had been a deep student of the subthere has been no limit placed on the ject. He advocated a continuation of the number who may join. Yearly programs are used and the programs are published complete for the entire year. An enter- adequate parcels post system in this countainment committee assigns the Club try, and gave the delegates some good meetings to the different members by arrangement with them.

Essex Club, of Clinton Co.-Mr. Gilson, One Christmas eve we chatted with the one of the two delegates from this Club the delegates, whose views on this subject bildren about the fun of hanging stock- stated that the organization has 45 mem- were clearly reflected in the resolutions children about the fun of hanging stock- stated that the organization has 45 memings and of finding them filled in the bers and holds nine meetings during the morning. We laughed about Santa coming year, the meetings being held on the secthrough the air with his reindeer, etc., ond Wednesday in each month in which and about so many little ones believing a meeting is held. As special feature Then when bedtime events the Club holds an annual picnic in such an absurdity. Then when bedtime events the Club holds an annual picnic in came they hung up their stockings and August, a temperance meeting, generally

in the work and were a great help in the vent condition. Club meetings.

and the children understood where each E. Smith, representing this Club, stated Association, then entertained the delethat the Club has 90 members, and an gates with a humorous recitation, and Everyone to their own idea, but no de- average attendance of 35 to 40. There is found herself called upon to respond to ceit in any manner do we wish to teach no attn of a good dinner to bring an encore. Mr. C. P. Jonhson, of the our little ones, because the little minds them out as meals are not served, with Hadley and Elba Club, rendered a song are impressed very deeply and it is such one exception, which is an annual ban- which was also well received. a bitter revelation to find they have been quet given on the anniversary of the organization of the Club.

meals three years ago, and liked the lat- ed in full in a future issue. ter method much the better. The Club The skillful hand, with cultured mind, has a membership of 30 families, who entertain in rotation.

> Hickory Club, of Tuscola Co.-The delegate from this Club, Mr. W. F. Dowling, spoke of the benefits which have been derived by his Club from the county association of Clubs which has been effected in Tuscola Co. There are three Clubs in the association, and each year they have a union meeting, with a banquet, which was held at a hotel last winter, thus relieving the members of the work incidental to such an entertainment and greatly increasing the enjoyment of the

> Northeast Venice Club, of Shiawassee Co.—The delegate from this Club reported a membership of 24 families. The Club holds 11 regular meetings each year and a picnic meeting in July. Those who entertain the Club in turn furnish the refreshments. The meetings are planned so that the members having large houses and barns entertain the Club in the winter season and those who have smaller accommodations in the summer when the porches and lawn can be utilized as well as the house. Afternoon meetings are held from April to October. A temperance meeting is held each year.

THE ASSOCIATONAL MEETING.

(Concluded from last week).

Wednesday Afternoon Session.

The music for this session was furnished by the pupils from the Blind School, and as usual, the numbers ren-

"Compulsory Spraying" was the subject that ever occurred in West Winthrop, as held this year, and was a very successful assigned to D. Monroe, of Algonac, who far as I know; there are people in the event. This fair was reported in this de- described in detail the conditions which next town who can show you the hill partment shortly after it was held. The he had met with and observed in his where the girl was executed for the mur- Club members are enthusiastic regarding work as a fruit inspector in St. Clair der of her child," he hastened to say, the benefits of such a special feature county, and commented forcefully on the necessity of educating the owners of fruit trees to the need of proper spraying Maple River Club, of Shiawassee Co .- in order to make the trees profitable and Ex-Associational President A. B. Cook, reduce the danger of the spread of the which are so common in our orchards tofew occasions when the regular meetings day. He advocated as a remedy a more BY MAUDE CONROY. were not held because of the death of a stringent law, providing for a more thormal three question of the reality of Santa member of the Club. The young people ough inspection of orchards throughout bership is limited to 20 families, and the well received, and will be published or meetings are held in rotation at the summarized as space will permit in a

The afternoon program was pleasantly a present is Santa claus to them, and they seem very much pleased. The little desirable people who would like to be- interspersed with a recitation by Mrs. come members of the Club, they have a Peters, of the Milford Club, and another waiting list for such applicants, who are selection of music by the students from

> The last address for the session was delivered by Mr. Grant Slocum, of Detroit, who spoke on the subject of "The Parcels Post." Mr. Slocum spoke earnestly and convincingly, reviewing Geo. W. Merrill, for many years president postal laws and comparing them with the of his Club and one of its delegates to laws in force in some of the foreign this meeting stated that at present the countries in a manner which showed that work which has been done by farmers' ornizations for the establishment of an pointers as to how this work could be most effectively carried on. Mr. Slocum's address was enthusiastically received by passed on the subject, and published in the first section of this report which appeared in the last issue.

Wednesday Evening Session.

This session was opened with a recitation by Mrs. Barney Curtis, of Birch Run partly filled them. The baby's little stock- in March, and a Club fair in the autumn. followed by the report of the treasurer, ing was taken great pains with as this The hostess furnished the refreshments, Mr. H. T. Ross, of Milford Club. As the was her first Christmas, and I am sure the meetings being held at the homes of financial standing of the Association will be indicated in the secretary's report, Thornapple Club, of Barry Co .- The del- space will not be devoted to the details egate from this Club stated that the of this report, which, however, showed taken down. We had added to what they young people were thoroughly interested the Association to be in a financially sol-

Mrs. C. A. Matthews, of the Essex Club, Columbia Club, of Jackson Co.-Mrs, R. the retiring vice-president of the State

> "The Need of and the Benefits to be Derived from the State Association of

Conway and Handy Union Club, of Liv- Farmers' Clubs," was the topic assigned ingston Co.-Mrs. Holmes, speaking for to Mr. A. R. Palmer, of the Columbia this Club, said that they changed from Club, a subject so close to the very life tables to lap-boards for the serving of of the organization that it will be present-

> Miss Phillips, of Lansing, rendered a vocal solo at this point in the program. Her remarkably sweet and well trained voice inspired a call for more, which she could not deny, and to which she responded with another selection.

> The closing address of the evening and the meeting was delivered by Mr. J. C. McDowell, of the U. S. Department of Agriculture. Mr. McDowell spoke with eloquence upon the agricultural problems of the day and their method of solution. and prophesied the brightest future for our agriculture.

> Thus closed the largest meeting yet held by this organization, and one which all the delegates present felt to be a most profitable gathering.

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NAME OF PUBLICATION.	See explana- tion above.					
Daily, (6 a Week.)		100	9		1	3
fournal, Detroit, Mich on rural route	2	50	8	25	2	58
" OII	5	00	5	00	4	78
rimes, Detroit	2	00		50 00		71
Fimes, Detroit	~		-	00	1	01
Sunday) on R. R	2	50	2	30	1	60
News, Cleveland, Ohio	2	00		60	1	8
Tribune, Bay City, Mich News-Bee, Toledo, Obio	2	00	2	50 25	1	88
	-	00	-	20	1	00
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Weekly Newspapers and Current Comment			10			
Blade, Toledo, Ohlo	1	00	1	05	1	31
Commoner, Wm J. Bryan, Editor,	1		1			-
Lincoln, Neb	1	00		35	1	61
Inter Ocean, Chicago (w)	1	00	1	10		70
Cattle, Sheep Swine, Poultry, etc.						
American Poultry Journal, Chicago(m) American Poultry Advocate, Syracuse,	1	50	1	05	100	31
American Poultry Advocate, Syracuse,		=0		O.	1	
N. Y. (m)	1	50 00	1	05 50	3	3
American Swineherd, Chicago, (m)	1	50	î	05	1	3
Breeders' Gazette, Chicago, (w)	1	75	1	65	1	0
Farm Poultry Boston, Mass. (s-m)	13	50	1	05		3
(s-m)	1	00		AE	1	
Hoard's Dairyman, Fort Atkinson,		00	1	45	10	7
		00	1	45	1	0
Horse World, Buffalo, N. Y. (w)	2	00	2	00	1	5
Horseman, Chicago, (m)	2	00	2	30	1	6
Wis. (w)	1	00	1	60	1	0
[a. (s-m)		40	1	05	P	8
Poultry Keeper, Quincy, Ill. (m)	1	50		05	1	3
Poultry Success, Springfield, O. (m)	1	50	1	05		4
Ia. (s-m)	1	50	1	05	1	3
Ind. (s-m)	1	KO	1	05		3
		-	-	00	1	
Popular Magazines.	1.	00		-	1	
American Magazine, (m)	1		1	70		9
Hampton's Magazine, N. Y. (m)	i			75		1
Metropolitan Magazine, N. Y. (m)	i			75		ô
Mechanical Digest Grand. Rapids (m)		50		90	0	2
McClures, Magazine, N. Y. (m)	1	50		80	1	5
American Magazine, (m). Etude, Philadelphia, Pa. (m). Hampton's Magazine, N. Y. (m). Metropolitan Magazine, N. Y. (m). Mechanical Digest Grand. Rapids (m). McClures, Magazine, N. Y. (m). Musician, Boston, Mass. (m). Outing Magazine, N. Y. (m). Peaple's Home Journal, N. Y. (m). Pearson's Magazine, New York (m). Red Book Magazine, Chicago, Ili. (m). Success, N. Y. (m).	13	50 00		80 15	3	10
People's Home Journal, N. Y. (m)	10	50		00		8
Pearson's Magazine, New York (m)	1	50	1	50		5
Red Book Magazine, Chicago, Ill. (m)	1	50		05	1	2
Success, N. Y. (m)	1	00	1	50	1	8
Ludies of Household.	1		100			
Designer, N. Y. (m)		75	1	30		6
Everyday Housekeeping, Salem,	1				1	
Harner's Bazar, N. Y. (m)	1	50 00		15	1	3
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Modern Frescha, Boston, Mass (m)	1.	75	1	30	1	6
Woman's Home Companion, N. Y	1	00 50	1	50 80	1	8
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Religious and Juvenile.	1	00		40	1	
American Boy, Detroit, Mich. (m) Little Folks, Salem, Mass. (m)	1	00	1	40	1	78
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	1.	00	14	55	1	8
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Our Motto—"The Farmer is of more consequence than the farm, and should be first improved."

STATE GRANGE OF 1910.

'Another "All Michigan" State Grange became history with the adjournment of last week's successful meeting at Traverse City. The delegate body comprised more than 400 members-greater than the na-

from delegates and visitors alike. Ming-ling and working with delegates from the farthermost shores of Superior, also, has prompted inquiry and investigation, re-ing figures, which tallied with those of fied resources and undreamed-of agricultural possibilities, and it is safe to say that the two years' sojourn of the State Grange in the Grand Traverse region has

their reports, the various propositions submitted to them. It is needless to say that this change was welcomed by the committees and it had the desirable effect of bringing some of the reports before the delegate body on Thursday, the day which hitherto had been entirely given up to the election. This in turn gave more time for discussion of the reports, which no doubt accounts for the fact that every important action taken at this meeting bears the stamp of consistency, conservatism and good judgment. Nowhere was a backward step taken, and the delegates tism and good judgment. Nowhere was a backward step taken, and the delegates just as emphatically refused to countenance measures of a radical or visionary character. It is regretted that want of space precludes a report, at this time, of the work of the various committees and the action of the convention upon the numerous propositions submitted.

Officers Reports Show Satisfactory

Conditions. The reports of the various officers were presented during the early sessions and,

in the main, showed the organization in better condition than at any previous time in its history. In his annual address State Master Hull reviewed the work of the past twelve months-a year which

was as lonows.	
Receints	
In general fund Dec 1, '09	\$ 4,578.99
Received from dues	10,586.44
Received from supplies	857.12
Co-operative percentages, less expense of Co-operative dept	6,203.68
Fees (6th degree candidates)	163,00
Fees (5th degree candidates)	60.00
Miscellaneous	34.52
	000 400 95

than 400 members—greater than the national house of representatives—and represented every section of the state and practically every county. It was a big meeting in every sense, and one of the best that has been held.

As one year ago, the greetings of the citizens and Patrons of Traverse City and the rapidly developing region of which it is the center, were most cordial and sincere, while the efforts of the business men to entertain and please the guests of their city were the source of many expressions of gratitude and appreciation from delegates and visitors alike. Ming-

definition of the Grange map of Michigan.

Several innovations contributed to the success and enjoyment of this year's meeting, chief among which was the new system of electing officers. This saved practically an entire day of the delegates time, greatly to the advantage of the numerous committees which, in years past, have not always been able to carefully consider and properly present, in their reports, the various propositions submitted to them. It is needless to say

Cash on hand Dec. 1, '10.....\$ 3,259.31

The treasurer explained that the \$757.54 increase in receipts was due largely to gains in percentages from the contract system. The expenditures for the year showed an increase of \$2,908.28. Of this meount nearly \$1,000 went to pay the increase expenses of the last State Grange meeting, while \$2,000 was transferred to the Grange life insurance company, the establishment of which was authorized one year ago. The treasurer explained that the \$757.54 increase in receipts was due largely to gains in percentages from the contract system. The expenditures for the year showed an increase of \$2,908.28. Of this meeting, while \$2,000 was transferred to the Grange life insurance company, the establishment of which was authorized one year ago. The treasurer explained that the \$757.54 increase in receipts was due largely to gains in percentages from the contract system. The expenditures for the year showed an increase of \$2,908.28. Of this mount nearly \$1,000 went to pay the increase of \$2,908.28. Of this mount nearly \$1,000 went to pay the increase of \$2,908.28. Of this mount nearly \$1,000 went to pay the increase of \$2,908.28. Of this mount nearly \$1,000 went to pay the increase of \$2,908.28. Of this mount nearly \$1,000 went to pay the increase of \$2,908.28. Of this mount nearly \$1,000 went to pay the increase of \$2,908.28. Of this mount nearly \$1,000 went to pay the increase of \$2,908.28. Of this mount nearly \$1,000 went to pay the increase of \$2,908.28. Of this mount nearly \$1,000 went to pay the increase of \$2,9 Cash on hand Dec. 1, '10.....\$ 3,259.31

One other of the reports of important officers remains—that of the state lecturer. This immediately preceded a very interesting and helpful lecturer's program which consumed the major portion of the Wednesday afternoon session. It is not possible, at this time, to give the extended report of this session which its importance and excellence deserves and it is reserved for a later issue.

The Election.

As predicted one year ago, the new

The Election.

As predicted one year ago, the new system of electing State Grange officers, which was given its first trial at last year's meeting, worked smoothly. The system adopted is a modification of the Australian ballot system and under it the officers for the ensuing two years were elected without taking the attention of the delegates from the real work of the meeting for an entire day as was the case under the old plan. A total of 400 votes were cast and the election board reported that not a single vote was invalidated because of improper marking of the ballot. With the exception of two of the minor offices, the first vote resulted in an election, the two exceptions being gate keeper and Flora. These offices were filled after further balloting on the last day of the meeting. The complete list of officers elected at this meeting follows:

of the names of all cities soliciting future State Grange meetings, thus combining the choice of a meeting place with the regular election of officers. It further provides that representatives desiring to present the claims of their respective cit-ies shall be limited to ten minutes each.

Excellent Exhibits of Farm Products.

Excellent Exhibits of Farm Products.

The fruit, grain and vegetable exhibit was displayed in one of Traverse City's spacious garage buildings. It showed, in a striking, impressive way, the wonderful agricultural development of this region. This admirable show was made up of individual and Grange contributions, special county exhibits and the Western Michigan Development Bureau exhibit. All products shown were displayed in a most artistic and tasty manner.

The Development Bureau exhibited a high-class lot of fresh and canned fruits, gathered from all over western Michigan, which was also shown at the U. S. Land Show at Chicago.

Charlevoix county had a very tasty display rack or case containing 225 divisions, each division containing specimens and varieties of apples grown in that county. They also exhibited a fine line of peas, beans, grains and vegetables, showing three squash or stock pumpkins, the combined weight of which aggregated 348 pounds.

The Soo had a variety of apples, pota-

combined weight of which aggregated 345 pounds.

The Soo had a variety of apples, potatoes, field and garden seeds, the most prominent of which were garden peas and field seeds.

A large and attractive exhibit of corn was made by F. J. Stoner, an enthusiastic member of Grand Traverse Grange. He is an advocate of size and has practically ignored the score card in developing a variety well suited to northern Michigan conditions.

The Northern Michigan Asylum's display of vegetables and flowers was as good as could be shown anywhere.

Peninsula Grange, of Grand Traverse Co., exhibited a fine line of corn, apples and vegetables, peas and apples predominating.

were cast and the election board reported that not a single vote was invalidated because of improper marking of the ballot. With the exception of two of the minor offices, the first vote resulted in an election, the two exceptions being gate keeper and Flora. These offices were filled after further balloting on the last day of the meeting. The complete list of officers elected at this meeting follows:

Master—N. P. Hull, Eaton Co.
Overseer—C. A. VanDeventer, Gratiot Co.
Lecturer—Miss Jennie Buell, Washtenaw Co.
Steward—Thos. E. Niles, Antrim Co.
Ass't Steward—Leon Haybarker, Osceola Co.
Chaplain—Mrs. Olivia J. C. Woodman, Van Buren Co.
Treasurer—Frank Coward, Branch Co. Gate Keeper—Geo. A. Robertson, Grand
Traverse Co.
Trav

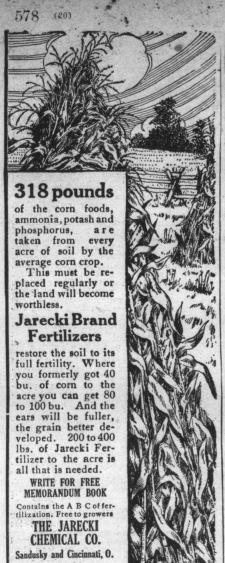


Pomona Meetings.

Eaton Co., with Charlotte Grange, Wednesday, Dec. 28. Day and evening ses-

presions.

Western (Ottawa Co.) Pomona, with the Georgetown Grange, Friday and Saturday,





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Every farmer knows that Large, Plump, Heavy kernels of seed, grain or corn will produce more and stronger plants, which will increase the yield and improve the quality. Admitting that this will benefit your crop only 10%, what would be your gain for one year? To say nothing of ridding your land of foul weeds, etc.

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work and recommend them.

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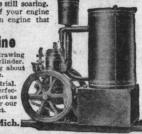
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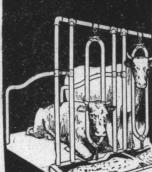
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