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THE INTERNATIONAL.

The twelfth International Live Stock Exposition held at the Union Stock Yards, Chicago, this week was an even greater success from every standpoint than those which have preceded it. Exhibits compared favorably in numbers with those of previous years, while the average quality of the exhibits all along the line was far superior to the high standard set in previous years. As usual, the interest during the early days of the show centered in the judging of the single fat classes, and the selection of the grand champion steer of the show from the winners in the different classes.

This coveted honor, for the fourth time in the history of the show, was awarded to the Iowa State College on the grand grade Angus steer Victor, shown in the accompanying illustration. This grand individual weighed into the ring at 1,670 He was two years, 10 months pounds. and 15 days old, and was one of the few animals that have been carried over from previous years in such fine show condition, which feat, together with the fact that this is the fourth time that animals from the Iowa college have won the grand championship at this premier show, is an appropriate testimonial to the importance of skill and judgment in feeding for best results.

This steer was bred by W. J. Millar, of Iowa, from whom Prof. Kennedy, of the Iowa college, purchased him at the American Royal Show at Kansas City in the fall of 1910. He won the grand championship at the Fort Worth Show in March, 1910, and was exhibited at last year's International, being awarded the grade championship but was defeated for the reserve championship by the yearling Shorthorn steer exhibited by James

and alfalfa, with a run at grass during Reserve Championship, while the Missouri grand load of grade Angus yearlings ex-The wonderful quality of calf stood third. the animal is reflected in the price which

est price paid for an International Grand in competition after the weeding out in this class were all of the Angus breed, Champion since 1900, when Advance, the process by a committee of expert cattle the two-year-old championship having first grand champion of the International, buyers appointed for the purpose. This been won by the same firm that exhibited sold at \$1.50 per pound. est price was paid for Shamrock 2nd, the nation was much more difficult at this three-year-old championship was won by 1910 champion, which sold for 60 cents show than at previous Internationals, ow- G. R. Wessener, of Tipton, Mo. Many of

were Prince of Viewpoint 2nd, a pure- bring animals that are not of show qualbred Angus steer shown by the Uni- ity and finish versity of Nebraska which won the Angus

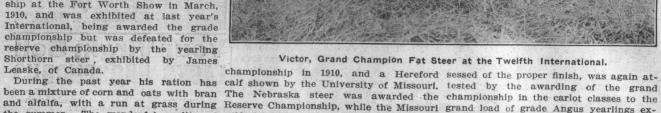
The popularity of baby beef, when pos-

The next high, committee stated that the task of elimi- the grand championship load, while the ing to the fact that feeders have learned the vistors, as well as the competitors His closest competitors for the honors the important lesson that it is useless to themselves, had picked the two-year-old steers exhibited by Escher & Ryan as the winners of this premier honor, but the two judges who had placed the awards in the different classes agreed on the championship without calling in a referee. In 1902 the Escher exhibit won the grand championship at Chicago, and 1904 the first prize yearlings were Escher

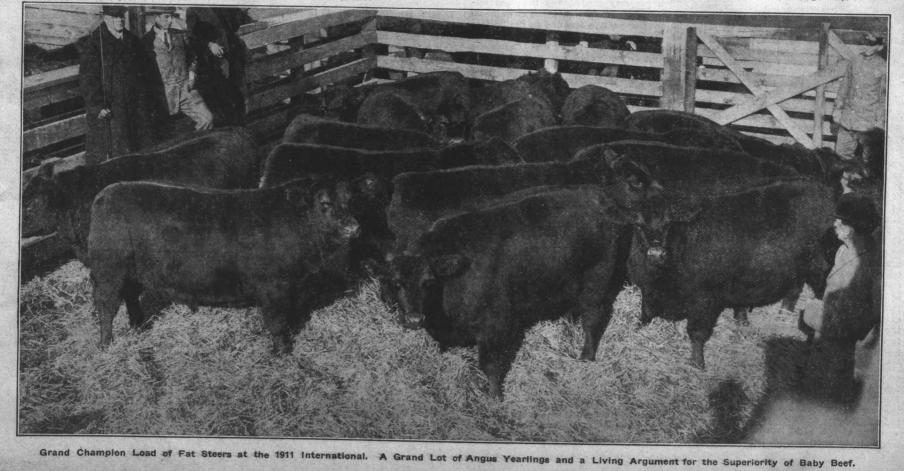
cattle. The largest percentage of the championship steers were pure-bred and all of them showed the best of Angus type. They had been groomed from calves for this purpose, being fed a light ration of oats before they were weaned, and after weaning, a grain ration of corn and oats. After being placed upon full feed the ration was varied from time to time with a variety of feeds, including corn, cottonseed meal, oil meal, molasses feed and roots, while this fall, as soon as the corn had reached the roasting stage, they were given plenty of green corn. The steers were fed in the open and had the run of a blue grass pasture during the summer. They sold in the auction ring at \$15.75 per cwt., the highest price paid for any previous championship exhibit since 1906, when the championship carlot sold at \$17 per cwt.

The exhibits in all other classes were of uniformly good quality and totaled little higher in number than at last year's In the carlot classes for feeding show. cattle there were 33 carlots entered, two more than last year, while the quality was considered even better, and was attested by the fact that only two loads were rejected in the eliminating process by the "weeding committee."

In the carlot hogs exhibited, there were 17 entries against 14 last year. In the the animal is relected in the price which The interest in the car lot contest was something of the quarky and uniformity sneep department there were 18 loads ex-he brought in the sale ring. After spirit- even keener than usual. There were 86 of this load of cattle can be seen from hibited, three of which were from Mich-the ring at 90 cents per pound, the high- classes, only 59 loads of which remained petitors for grand championship honors (Continued on page 528).



hibited by Escher & Ryan, of Irwin, Ia. The interest in the car lot contest was Something of the quality and uniformity





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THE PROBLEM OF THE SANDY FARM.

ject with considerable hesitation for, cold and so we stopped at a dairy barn, have gone on just as they would have after traveling Michigan over and over, not only to see a splendid herd of Hol- wished but it is the slack time for them I have seen the problem calling for so- stein cattle but to get warm, and we anyway, and the business has gone on lution in almost every locality. It has were not disappointed. It would have somehow. Possibly it has been the means been mine to contend with it personally taken a great many cords of wood or a of bringing out the latent ability of some to some extent for years, with varying great many tons of coal to have kept that employe, and proved him capable of bearsuccess

The thoughts expressed in this article may not be in accord with the mind of ing it, and, instead of burning wood or may be worth all it cost. the reader. but should they provoke thought, investigation and some degree of resolution, this effort will be amply justified.

soils is the power to conserve moisture. The grains of the sandy soil are so large that the water escapes very rapidly. In seasons when rain is plenty, sandy land the most of fertilizing materials produced yields abundantly and the owner takes courage. But in dry years the crop is small and a disappointment and financial losses are the lot of many who have tilled the sandy farm.

therefore, is the conservation of mois-What is to be done to enable the sandy field to pass through a period of drought without injury to the crop? Can any of the evil effects of the dry weather leave the timber we wished to reserve be avoided by proper management? As we have stated, one of the causes of sand drying out so quickly is the size of the soil particles.

there are other causes also that are table matter. soil, in sufficient quantity, enables it to retain moisture in a large degree. But places, the future would prove their wisthe sand is so porous and the effect of dom without a doubt. The sun upon it is so marked that the But this article is clover sod can be plowed under, the sandy Let me just say, once more in closing, does this, in part, because of the presence of a large quantity of vegetable matter.

The first thing to do with the unprofitable sandy farm is to get the vegetable

will add greatly to the content of humus. stone to something better.

must be plowed under.

THE MICHIGAN FARMER.

ter's day and note how comfortable it is? daily routine of exercise, and they declare through a dairy section in the central ready to resume their work with rewinter months, but the cattle were do-They may not be correct coal, they were burning ensilage, splendid hay, and a variety of grains. They gave back a liberal percentage of some of the food nutrients, but three-quarters of The greatest necessity of our sandy the possible humus contained in their feed was burned up for their comfort and went off in their breath.

It is, therefore, very important to make upon the farm, in which case it is much easier to get a good stand of clover. But the tendency of sand to blow is often hard to contend with. Here, again, we suffer from the same lack of humus. The The first and most important question, sand rich in vegetable matter does not blow so easily, and if we would prevent the evil effects of the winds, we must put the humus back into the soil. If we had been wise enough in the past to upon these sandy farms in the form of wind breaks, the wind would have been far less troublesome. I have spent months in the upper peninsula where much of This we cannot help. But fortunately the land is covered, as yet, with a tangle of spruce, balsam and tamarack. They measurably within our control. Sandy have little trouble with the winds in soils are very generally lacking in vege- those places. If, when they clear this Humus, present in the land, they might be wiser than we have nt quantity, enables it to been and leave wind breaks in proper

But this article is too long, already,

W. F. TAYLOR.

DRAINING SWAMP LAND.

Oceana Co.

able sandy farm is to get the vegetable matter back into the soil in some way. Dreams of commercial fertilizer and of new and wonderful plants are vain. We must get back to the plants that we know will thrive on Michigan farms and grow them and replenish the humus in the soil. But some man will say, "I cannot get a catch of clover. I have tried again and again and falled;" and this may be en-tirely true. But there is usually a way out if we but look for it. Rye is a crop that seldom falls. When sown early, it will get a good growth in the fall and if plowed under in the spring will add greatly to the content of humus. But some man will say, "I cannot get a catch of clover. I have tried again and diathes but does not dry off fast enough ditches but does not dry off fast enough ditches for most of the drains. Allegan Co. J. H. V.

Any kind of land can be drained. There With more vegetable matter in the soil, is no trouble in laying tile in quicksand the chance to get a catch of clover is if one understands. After the ditch is improved. True, rye adds no nitrogen, dug and graded then the tile should be phosphoric acid or potash to the soil that laid by the operator backing up, that is, it has not previously taken from it. But he must not step on the tile after they it pays its debt to the ground and, in are laid, if he does he will get them out addition, returns a large quantity of car- of shape, but if he has the bottom of the bon that helps to put the soil in much ditch properly graded and then the opbetter condition. We want the clover erator backs up in laying the tile and as just as soon as we can get it. But many he progresses, fills fine dirt in the bottom Lillie and Mr. Washburn, of Jackson sandy farms are so sadly lacking in of the ditch on either side of the tile, county, have said on the above subject. humus that it is difficult to get a stand being careful to put about the same Having traveled from the Atlantic to the of clover at all, except under very favor- amount on each side, and then some ovable circumstances, and in these cases er the top so as to get this tile firmly Texas, to North Dakota, and on these rye can profitably be used as a stepping fixed in its bed, then by putting on a travels having stopped and visited in a foot or more of dirt there will be no diffi- number of different states, I have yet to A short rotation of crops is best on culty about walking over the ditch or find any place with better markets, bet-this kind of a farm. The rotation should filling it in any way you please. The ter transportation facilities, a greater contain a clover crop, of course. Stable great trouble is experienced in not allow- variety of soils, where a greater variety manure adds greatly to the humus in the ing the tile to settle where they are of products can be grown, than can be soil. It should be saved carefully and placed. If the depth of the outlet is suffi- found in many parts of Michigan, and as applied in the right manner and at the cient I think it would be proper to lay the above writers have said, it is also right time but on the ordinary farm there these tile just about at the bottom of the a great puzzle to me why improved farms is not enough of it to keep up the supply muck where it is deepest, and then where in the fruit belt and other sections of the of humus and, in consequence, quantities it is only several inches deep the tile state are offered for sale so cheap. For of vegetable matter from other sources would go lower, but if you get the tile real profit, I would sooner have a good

A friend and I were riding one day that they come back much refreshed and I approach the discussion of this sub- part of the state when we became very newed energy. True, the work may not large stable comfortable throughout the ing more responsibility which the employer would be glad to shift. This alone

True, the farm conditions are quite different, still the comparison can be made between them. The farmer may not be able to take his vacation in the summer months, and if not he should plan to get some kind of respite from the daily routine during the winter. It may not be quiet that he needs, in fact, it may be just the opposite. A week or two in the city may be more of a change than a country trip. This can generally be taken at little expense as most of us have relatives in some town or city.

But the hardest question to solve is how to leave our work. We have come to think that no one else can attend to the work that we have looked after so long. We are prone to think that everything will stop if we leave, but it wont. The world will go on just the same after we drop off, and possibly our successors will carry on our work better than we can, so why not give them a chance to try it for a few weeks, at least once in a while. Perhaps we will be more appreciated when we return, or perhaps we will better appreciate those who carry on the work while we are away. So, if we have the help to look after

the chores and other necessary work for a while during the winter, let us explain humus is rapidly destroyed. If a good and I have heardly touched the subject, to them as well as we can what is wanted and get them broken in while we field, when properly tilled, will grow a to the man with an unprofitable sandy are with them, then turn the reins over good crop and carry it through a long farm: "Get the vegetable matter back to them and when we leave forget that period of drought with little injury. It into the soil." do us good to throw all care and thoughts of home work from our minds for a time, and enter into the attractions of the new surroundings with a zest.

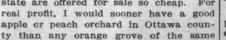
> If we can not secure suitable help to look after our affairs at home we may be able to secure the services of some neighbor in exchange for a similar service. This would benefit both of us and be a very desirable method of co-operation.

> And while we are considering a vaca tion we should include the housewife, if not the entire family. She is probably more in need of a change than are we, for she is more closely confined to her duties at the house, while we have the whole farm, a chat with the neighbors often, and an occasional trip to town. Even if we can not go we should insist on the good wife having at least a short respite from home duties.

Calhoun Co. S. B. HARTMAN.

THE AGRICULTURAL ADVANTAGES OF MICHIGAN.

I was much interested in what Mr. Pacific coast, and from San Antonio,



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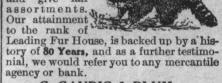
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DEC. 16, 1911.

The farmer has read that from 60 to best and drain the land thoroughly. I would sooner have a good to best and drain the land thoroughly. COLON C. LILLIE 90 per cent of the value of the crops fed to stock, is returned in the form of stable

manure and so he carelessly reasons that he may sell his wheat, part of his corn and oats, a load of hay now and then and, two or three cows and as many young cattle, and hauls out the manure after the spring rains have washed it and puts it on two or three acres of corn ground, he is doing pretty well by his farm.

of the nitrogen, phosphoric acid and potthe carbon is burned up in keeping the the summer and get out into some quiet or some other state, expecting to better animal warm and in maintaining the country place where they can forget their their condition, because nine times out of

size in southern California. It costs so much to irrigate, cultivate and spray an THE FARMER'S VACATION. orange grove, that there is but little

profit in growing this fruit. While visit-Shall the farmer have a vacation? This ing in southern California a few years if he has enough left to feed his team, question occasionally comes up for disago it was a great surprise to me to see cussion in the farm papers, and is gen- bushels of lemons rotting on the ground, erally answered in the affirmative, but and being told the reason for this, was the advice is generally followed nega- because it did not pay to pick and pretively. The reason is that no one can be pare them for market. My advice to any found to take the farmer's place while one who owns a farm in Michigan, and It is true that from 60 to 90 per cent he takes his vacation, which is in a are in fairly prosperous circumstances measure true, yet this difficulty is not and enjoying good health, is not to be in a ash in the food is returned to the feeder. insurmountable. City people leave their hurry to sell out cheap for the purpose But from three-fourths to five-sixths of business to others for a few weeks in of going to the Pacific coast, to Texas,

mystery of life. Did you ever go into a cares and rest their nerves and exercise ten they will be disappointed. large stable upon a cold, blustering win- their bodies in a different way from the Ottawa Co.

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A DRAINED MARSH PROBLEM.

A DRAINED MARSH PRODUCT. were true it would be about time to stop the talk about "reclaiming marshes," "best land you've got," etc. Please an-swer through the Michigan Farmer or address me directly. Washington, D. C. P. D. H.

I have not had an extensive experience with marshes, but have observed enough to know that they vary much. Some will grow good truck crops, such as onions or celery and some will not, at least in I have seen their present conditions. more failures in breaking up true marshes and trying to get tame grasses If started than I have seen successes. the marshes are not too low, and drained as stated, you might be able to get them broken up, and by using oats or buck-wheat to get started with a seeding of timothy with some red top and alsike clover, it might yield you a good crop for several years. Buckwheat is one of the best crops I know to subdue low ground or hard spots. If the land will grow hoed crops these will assist in subduing the wild grasses. We have a semi-marsh which gave good returns for hay or pasture for several years in succession and if the season is right we can get a fair crop of oats, corn, or even wheat. This is not true marsh land, however. Have seen good potatoes grown on marshes, also good corn, and again they would fail, but in most cases the drainage was insufficient.

Most of the marsh land near here is of We cut hay on some of them for mulch- years. strawberries. It also makes good ing quite a demand for marsh hay for packing and bedding in the cities, where can be hauled loose. packing purposes

as the owner is farming at "long dis- results. and, as a rule, the kind of farmtance" giving the grass a chance to get ahead. tility. Now, if you buy enough of these

age, and possibly it is not suitable to farms to the maximum. mow, or may be more valuable for other crops, but I am suggesting the marsh hay crop as being easy to handle at a distance, and require little outlay for labor or tools. If there is not a suitable market in Battle Creek, Marshall, or Albion, you can bale and ship to a larger market or take the matter up with a hay lumber buyer

As for the drain injuring the high land adjoining the marsh, it may lower the edge thinner than the other, do not fit water table beneath the soil somewhat, nicely around a round silo I think it is and possibly affect the moisture content better to take common six-inch pine and during dry spells, but by proper cultiva- have it cut or split into half-inch pieces tion I believe enough moisture can be and then do not lap them but have them saved from the rains for the growth of jointed so the edges come close together. crops and that the injury to the high This will keep out all moisture and will land will not be at all serious. work just as well as clapboards. S. B. HARTMAN. think the best lath is the plaster board Calhoun Co.

THE MICHIGAN FARMER.

fertility of the land. This system of will husband the fertility, but farming not maintain it. Every crop, every animal, and every dairy product that is sold from the farm removes fertility from the farm because from the plants which grow in the soil some fertility is taken to produce these products and when sold from the farm this fertility is removed. Consequently, in time if nothing is added the soil would be depleted in fertility. Now when we keep dairy cows or practice live stock husbandry, instead of selling the plants off from the farm we sell the ani-mals or animal products. By first feeding the plant to the animal we husband the fertility of the soil because, when the animal consumes the plant it does not use all of the nitrogen, phosphoric acid, and potash, the three essential elements of fertility, which the plant takes from the soil. Part of this cannot be used by the animal economy and is returned to the land, but nothing is added by feeding these plants to an animal. No fertility is added to the farm and some of it is If a man begins farming on removed. good fertile land and begins at once a system of live stock husbandry he can husband the fertility of his soil and keep it up in crop producing power for a great many years. There is no doubt about that, but in the final analysis his soil will be depleted. Now, however, if he keeps animals enough on the farm to consume all of the roughage that he grows, and go outside of the farm to purchase some grain to help balance up the roughage ration then he adds fertility in the purchased grain and if he carefully preserves the manure and puts it back onto the soil with good management he will not only keep the fertility of the soil but he can actually increase it. Of course, this system of live stock husbandry is not practical to be universally followed. If it was there would be no extra grain to buy.

Whether it is profitable to use raw phosphate rock or not is a question that I am unable to decide. It is a question use only for pasture, and but a small that has been discussed pro and con in amount of this is secured from them, the agricultural press for the last few I have faith that it would pay to use this rock. I purchased a car load of bedding and packing, and stock will eat it two years ago; part of it I used with some of it if it is nice and green. There stable manure and part of it I applied direct to the land. I am frank to say that so far I haven't been able to see there is a large quantity in a place buy- where I put this rock, and yet I have ers will give a fair price for the stacked faith that I will get my money out of it hay for baling and shipping, or if the and perhaps have got a portion of it almarsh is near enough to a large town it ready, but the action of this raw rock I think one can is so slow that it is not discernible to the secure from five to eight or ten dollars eye and consequently is not very satis-per ton for baled marsh hay, depending factory. One scientist claims that it is upon the scarcity of hay, rye straw, and profitable and others claim that it is not, such material for feeding, bedding, and but admitting that it would be profitable I believe that it is still more profitable to If the marsh in question is suitable for use the acidulated rock than it is to use mowing with a machine, this might be the raw rock. Here we get available the best method of handling it, especially phosphoric acid which gives immediate

You can keep up the fertility of the soil ing that requires little labor pays best in by the use of commercial fertilizer. If such instances. If the grass is not now you use enough fertilizer you can keep of good quality, containing weeds and up the fertility of the soil and increase possibly some fine brush, but is not too it. You can make your land just as rich rough to mow it will improve each year as you want to. Commercial fertilizers from the cutting of the weeds and brush, contain three essential elements of fer-Possibly the marsh would have been and put them into the soil you can inbetter for this purpose without the drain- crease the crop producing power of your

> COLON C. LILLIE. SIDING AND LATH FOR SILO.

What is the best siding for a silo, eco-nomically considering, and what second best? What kind of timber and size should the lath be? I want to buy the

Midland Co. J. H. B. Where common clapboards, with one



A Concrete Root Cellar Is a Money-Saver

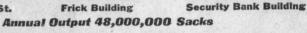
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COMPANY

MINNEAPOLIS



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lath where six-inch stuff is grooved to KEEPING UP FERTILITY OF 80-ACRE hold the plaster; but you can make lath FARM. out of any kind of material that you

In keeping up the fertility of a farm of 80 acres by means of stable manure how many cows would be required? Would it pay to use rock phosphate, and how much per acre? Can we keep up fer-tility simply by use of commercial fer-tilizers? Montcalm Co. Keeping cows on line steple of C. M.

Keeping cows or live stock and simply as good as 2x6 or heavier and there will feeding them what is grown on the farm be no question about the silo being strong without buying anything from the out- enough to withstand the pressure of the side, will not and cannot maintain the ensilage.

up fuel like sixty. Buy the engine that is fool proof. Ask for catalog No. C. The New-Way Hotor Company LANSING, RICHTGAN, U.S.A. 7 Ash Street. Write for Free Booklet How to Raise Calves Cheaply and Successfully Without Milk Contains full information and complete feeding directions for using Blatchford's Calf Meal-The Perfect Milk Substitute Three or four calves can be raised on it at the cost of one where milk is fed. No mill feed The only calf meal manufactured in an exclusive Calf Meal Factory Established at Leicester, England, in 1800.

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THE MICHIGAN FARMER.

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THE INTERNATIONAL.

(Continued from first page). shown by Ben Conley, of Marshall, Mich, were first in their class, as were the yearling range wethers shown by E. G. Reed, of Richland, Mich.

classes and breeding classes were a little Iarger than the aggregate last year and
Isroeding Swine Championships.
Owing to the large number of exhibits it
will be impossible for us to give a complete list of the awards. We can do litter more than to give the championships.
Carlot Grand Championships.
Cattle.—Escher & Ryan, of Irwin, Ia., on Angus yearlings.
Sheep.—J. Orton Finley, of Oneida, III., on aged range wethers.
Hogs.—Geo. Parnston, Spring Grove, Minn., on 246-1b. Poland-Chinas, 7½ mosold.
Fat Cattle Championships.
Aberdeen-Angus.—University of Nebraska, Lincoln, Neb., on Prince of Viewpoint 2nd, also Angus championship in 1910.
Shorthorn.—Iowa State College, Ames,
Iarge Yorkshire.—Grand champion boar, More and sow, B. F. Davidson, Menlo, Ia.
Parbaran College, Ames,
Charter White.—Grand champion boar, Sylvester Essig, Tipton, Ind., on Pat Maloy. Grand champion boar, Sylvester Essig, Tipton, Ind., on Pat Maloy. Grand champion boar, Sylvester Essig, Tipton, Ind., on Pat Maloy. Grand champion boar, Sylvester Essig, Tipton, Ind., on Pat Maloy. Grand champion boar, Sylvester Essig, Tipton, Ind., on Pat Maloy. Grand champion boar, Marker White.—Grand champion boar, Sylvester Essig, Tipton, Ind., on Pat Maloy. Grand champion boar, Marker White.—Grand champion boar, Sylvester Essig, Tipton, Ind., on Pat Maloy. Grand champion boar, Sylvester Essig, Tipton, Ind., on Pat Maloy. Grand champion boar, Marker White.—Grand champion boar, Sylvester Essig, Tipton, Ind., on Pat Maloy. Grand champion boar, Marker White.—Grand champion boar, Marker White.—Grand champion boar, Sylvester Essig, Tipton, Ind., on Pat Maloy. Grand champion boar, Marker White.—Grand champion boar, Marker White.—Grand champion boar, Marker White.—Grand champion boar and sow larger than the aggregate last year and

Fat Hog Championships. Chester White Pen.-F. E. Bone, Ava,

III. Chester White Barrow.—J. W. Brend-ley, Zanesville, Ind. Berkshire Pen and Barrow.—Ohio State University, Columbus, O. Poland-China Pen.—John Francis & Son, New Lenox, III. Poland-China Barrow.—Iowa State Col-lege. Ames Iowa

Southdown Wether. — Huntleywood Farm, Beaconsfield, Que. Dorset Wether. — W. H. Miner, Chazy, N. Y.

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Windgate, Ind., on yearling. Champion ewe, G. W. Parnell, on yearling. Dorset.—Champion ram, W. H. Miner, Chazy, N. Y., on yearling. Champion ewe, Nash Bros., Tipton, Ind., on yearling. Oxford.—Champion ram, Geo. McKer-row & Sons, Pewaukee, Wis, on two-year-old. Champion ewe, McKerrow & Sons, on yearling.

(Continued from first page). hown by Ben Conley, of Marshall, Mich, veré first in their class, as were the year-ing range wethers shown by E. G. Reed, f Richland, Mich. The exhibits in the individual fat lasses and breeding classes were a little

Breeding Swine Championships.

point 2nd, also Angus championship and son, Lafavette, Ind., on Impre-Shorthorn.—Iowa State College, Ames, Ia., on John Bell. Hereford.—J. P. Cudahy, Kansas City, Hereford.—J. P. Cudahy, Kansas City, Polled Durham.—Iowa State College on Buttonwood Dick. Galloway.—Kansas Agricultural College, Manhattan, Kas., on Harry of Maples. Red Polled.—A. P. Arp, Eldridge, Ia., on King. Grade and Cross-bred.—Iowa State Col-lege, on Victor, also awarded the grand championship of the show and the grade and cross-bred championship at the 1910

prise. Suffolk.—Champion stallion, Fred W. Okie, Marshall, Va., on Ashmore Luther. Champion mare, Fred W. Okie, on Shad-bourne Ruby. German Coach.—Champion stallion, J. Crouch & Son, Lafayette, Ind., on Minno. Champion mare, J. Crouch & Son, on Friefrau. Breeders' Meetings.

Breeders' Meetings.

Tuniversity, Columbus, O.
 Poland-China Pen.—John Francis &
 Son, New Lenox, Ill.
 Poland-China Barrow.—Iowa State College, Ames, Iowa.
 Duroc Jersey Pen and Barrow.—Thos, Johnson & Sons, Camp Chase, O.
 Hampshire Pen.—Patterson & Rouse,
 Paynes Depot, Ky.
 Hampshire Barrow.—R. L. Bailman,
 Coal Valley, Ill.
 Large Yorkshire Pen and Barrow.—Adams
 Bros, Litchfield, Mich.
 Grand Championship Pen.—Ohio State
 University on Berkshires.
 Grand Champion Barrow.—J. W. Brend Ige, weighing 350 lbs.
 Reserve Grand Champion Barrow.—J. W. Brend Incoln Wethers.—L. Parkinson, Guelph.
 Cotswold Wether.—University of Wy Mainson Miss.
 Lincoln Wethers.—L. Parkinson, Guelph
 Oxford Wether. —University of Wy Shropshire Wether.—University of Wisconsin, Madison, Wis.
 Shropshire Wether.—University of Wy Shropshire Wether.—University of Wy Southdown Wether. — Huntleywood
 Fammshire Wether. — Huntleywood
 Farm. Beaconsfield, Que.

and appropriations for state fairs and expositions exceeded those of any former

Hampanie weiner. - University of Wiscons.
Bouthdown Wether. - Huntleywood, Yue, Sawai and Sawai an **Belgian Sfalllons** reasonable prices. Write us what you need BELL BROS., Wooster, Ohio. BANNER ROOT CUTTERS prepareroots quicker and in bet-ter form for feeding to all kinds. Hve stock than they can be prepared in ...y other way. Takes a half-round .hip out of the root. No silicing. (bing or



Success with bred ewes at lambing and throughout the suckling period depends the farm but what, if properly harvested not result indirectly in the breeding of quite largely on the care and feed they and stored, can be fed bred ewes with better hogs as well. I have been watchreceive during pregnancy. Ewes poorly entire safety as a part of the daily ra- ing, of late, the progeny of a single sire nourished while carrying their unborn young, not only fail to perform well the may be, sheep highly relish a change firming the individual merit in this aniwork expected of them, but also fall even though it be less nutritious. When mal. One bunch of eight pigs, marketed short of transmitting to their progeny clover hay is being fed twice daily to at the age of 160 days, dressed an averstrong and desirable characteristics. To attain the highest success in handling breeding stock of any kind, attention must be directed to keep in constant bred ewes as it is too low in protein. consequently fed a moderate ration, (only harmony with the object in view. Breed- Redtop hay, if cut at the right time and three pounds of grain per day each, when ing is governed by certain fixed laws, properly cured, may be fed in moderate the pigs were from four to five months which, if carefully studied and followed, can be turned to splendid account. Neglect is a potent evil always manifesting its effect when conditions are most criti-There is no such thing as "good cal. luck" in sheep husbandry. Results, favorable or unfavorable, are the products of unalterable and unrevealed laws.

The flock owner who is desirous of having a high per cent of strong, vigorous ration will answer all purposes. lambs dropped next spring should be mindful of the vital importance of feeding the ewes well during the winter roughage or grain should never be fed to pregnant animals of any kind. On account of the wet weather a large portion of the bean crop was injured last Thousands of farmers in this state and make necessary preparation. fall. depend on their bean fodder for winter feed for their sheep, but unless great to carry the ewes along without a light food for young pigs, and it is good withprecaution is exercised to properly compound it into the roughage ration it will value of the roughage it is not difficult to high. prove very dear feed for the flock. Bean fodder is one of the best and most nutritious roughages grown on Michigan farms for feeding pregnant ewes when the crop has been properly harvested, getting the ewes started right and much or soaked corn may be given the young but in case the crop got wet several times trouble may be averted late. It is un- pigs without fear of any bad results

THE MICHIGAN FARMER.

supply a wide range of roughage to the tive cattle breeders' association here, ewes. There is no roughage grown on and I am wondering if the fact will tion. bred ewes corn stover and oat, pea or age of 180 lbs. Another litter did nearly barley straw can be very profitably fed or quite as well and a litter of pure-bred at noon. Timothy hay should not be fed pigs grown for breeding purposes, and amounts.

A most important condition in feeding more than a pound per day. unborn lambs is to supply the ewes with to say that the animal mentioned can some kind of succulent food during the not be kept longer in the community. winter months. Roots, of course, are excellent, but few flock owners can afford lbs., but his usefulness is past. them at the present price of farm labor. Ensilage is an excellent substitute and important matter when profits are conwhen properly compounded into the daily sidered. The animals should be provided roots or ensilage are not available the sleep, which should be made warm durflock owner has a difficult problem to ing the cold weather. Pigs can be grown solve. months. Properly stored and wholesome meadow fields when the snow is not too mer, if other conditions are right. feed is an essential requisite. Moldy deep is a means that can be practiced as the last resort and will greatly assist indispensable in the winter. The pigs in satisfying the appetite of the ewes. Every flock owner should be mindful of succulent food for the flock during winter

It is imprudent in feeding unborn lambs grain ration. Regardless of the nutritious supply the need of the ewes at this par- pends largely upon the other feeds that ticular time. A light grain ration sup- are obtainable. If there is plenty of plied as soon as the ewes are taken off skim-milk, the demand for protein is the pasture has a healthful influence in supplied in large measure, and corn meal

FEEDING FOR A GOOD LAMB CROP. is followed it ought not be difficult to We have recently organized a co-opera-No matter how good the roughage and have gathered some evidence conold), made an average gain of a little We regret He is a noble fellow, weighing about 750

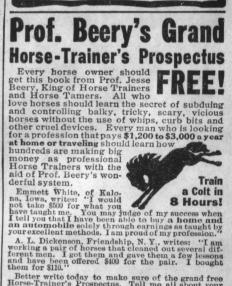
> The care of a bunch of pigs is a very When with a dry, well ventilated place to Permitting the flock to roam the as cheaply in the winter as in the sum-

> > Exercise is always important, but it is should sleep warm and dry but they must exercise during the day. Anything reasonable that will compel them to work is right.

> > Much has been said of middlings as a out question, but the price is apt to be The necessity for middlings de-



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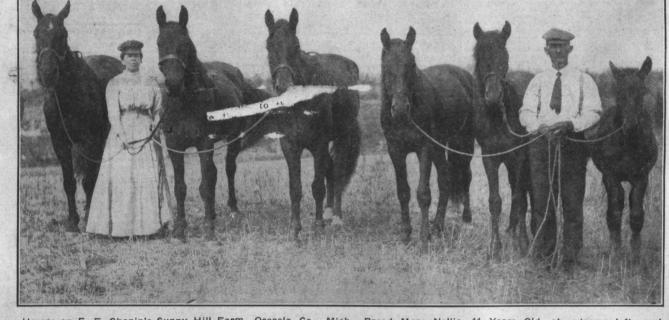


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Tobias "bebr, June 4th, 1911, Troy Chemical Co., Binghamuon, Y.-A. Year and a haff ago I had a bottle of your spavin rescedy. I cured my horse with its and then gave what I had left of it to a friend who had a mule with a spavin, which veterinarians had failed to cure. My friend today asay. It's certainly a sure cure." Find \$5.00 for another bottle, 'Very truly, Trato, Rnonzs. "When discriminating, cautions, hard-headed bank-ers, farmers and business men write for information and then select." Save-the-Horse' from the mass of curedies presented, and these are the kind of men our testimonials are from, is there need to ask why T EXPERT ADVICE FREE Describe case. We'll advise a bottle, with a contrast to absolutely and permaa bottle, with a contract to absolutely and p nently cure Bene and Bog Spavin, Theroughpu, Ru (cacept kow), Curb, Splins, Capped Hock, Wundpuf Tendeas and all lamoness or relund the mency, Ni nir. Horse works as usual. \$5

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Horses on E. F. Chapin's Sunny Hill Farm, Osceola Co., Mich.—Brood Mare Nellie, 11 Years Old, at extreme left, and Five of her Progeny whose Ages range from 41/2 years down to 7 months.

properly stored, it is a very dangerous expecting to feed heavier toward spring are excellent for pigs or hogs of any age feed for bred ewes.

Feeding unborn lambs should begin as probability poor, weak lambs will be the limited, but it can usually be obtained soon as the ewes are bred. No time result. A light grain ration compound- at a fair price. Beans have been greatly should be lost in getting the ewes into ed from corn, oats, bran and a little oil damaged this fall, during the inclement good flesh condition. In the fall the ewes meal will prove a big profit maker. that have been nursing all summer are Shiawassee Co. LEO C. REYNOLDS. generally in low flesh. Ewes that milk freely are invariably well nigh reduced PROFITABLE PORK MAKING. to the limit and, unless given the best of attention, can not possibly drop lambs of high vitality. The time to prepare bred cows will usually find his profits sub- to feed beans, alone. They should be ewes for the purpose for which they are stantially increased by a good bunch of cooked, and with corn or some other maintained is during the winter season hogs properly fed and cared for. The grain. Beans and small potatoes cooked when other farm work is not pressing. profits in pork making come almost and fed together make excellent feed for Plenty of corn should be allowed at the naturally to the man who keeps cows, pigs. The price of pork is still good. It feed troughs and racks so that each ani-providing the hogs are right and the man would seem that it will remain so for a mal will be able to secure its share of does his part. It is to be doubted, how-little time at least, and we should make feed. Crowding is productive of serious ever, whether either condition is a fact the most of our opportunity during the trouble that always manifests itself in many instances. We are too careless coming winter, either at lambing time or during the about the breeding of our hogs. Of course Oceana Co. a large flock of ewes are allowed to run together during the grazing season they should be grouped into smaller numbers during the winter. If the flock can be reduced to groups of 20 ewes each they will do much better than where 40 or 60 are yarded together. It is essential in feeding unborn lambs to compound the ration for the ewes with as much variety of coarse feed as pos-sible. Sheep are not only great lovers of variety of feed, but they do much better when given a frequent change of diet. On the farm where a rotation of crops When almost any pig, if he lives will grow into fore part of the suckling period.

when the lambs begin to come. In all Of course, the quantity of this feed is

during the curing period and was im- wise to attempt to carry bred ewes along, Wheat flake siftings and corn flake feed weather, and there will be a great many cull beans for sale at the warehouses without doubt.

> It looks as though this would be an opportunity for those who are producing The man who keeps a good herd of winter pork. It is, however, a mistake

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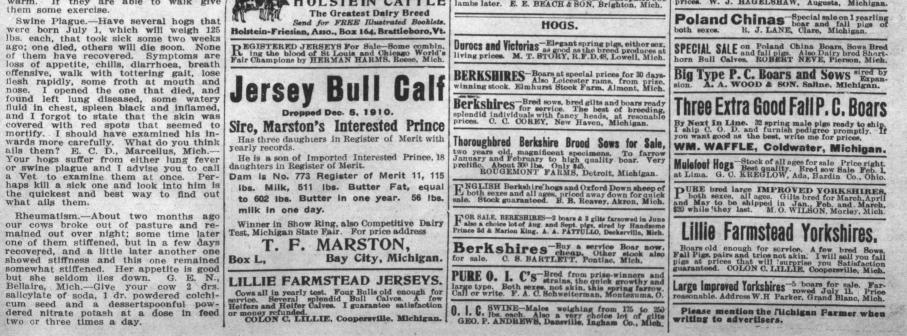
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A VITAL POINT IN DAIRY FARMING.

How to replace the cows that are discarded from herds where whole milk is sold is a question of vital interest to dairy farmers. Few dairy farmers, especially those who live outside of the great milk producing territory, realize the tremendous drain these dairies are making upon the cow population of the country. A few years ago it was possible to go out and buy good cows from dairy farmers who raised a surplus to sell, but today a man may drive for miles without finding any number of suitable cows for sale. Heavy feeding for milk production is driving many of the best cows to premature slaughter, and this removal of the best cows from the small dairy farmers" herds not only causes a scarcity of ter cows. The milk producer by keeping good cows, but it has a marked tendency to encourage these small dairy farmers to sell their best cows and keep inferior ones for their own dairy uses and to raise calves to sell. This constant selling of the best cows together with the downward drag of the blood of the inferior ones, that are too poor to find a ready sale, makes dairy improvement from the cow side of the question almost impossible. The extension of the city milk trade and the condensary business into new territory is creating new conditions. Milk producers who formerly bought new cows from dairy farmers within ten or twenty miles from their farms are now going from fifty to one hundred miles, and in many cases to the stock yards or other states. Here in Erie county, New York, we are buying most of our cows from the Buffalo stock yards and paying from \$60 to \$80 for anything that has

into the hands of the milk producers just as soon as it shows signs of good milking qualities. The promise of breeding excellence does not govern his attitude; if a cow will bring \$75 this year he does not think of the calf she will bring next year. He must be shown to be convinced. The feeders of beef cattle buy their

feeders from sections where they have been raised on cheap lands and cheap feeds, and the men who produce these efeders are liberal buyers of beef bred bulls for the purpose of improving their has to do with the dairy farmer? Some will say he can raise dairy cows cheaper than he can buy them. No doubt he can, but we must show him. It seems to me dairyman are in about the same position. They can both make a little money if they can buy the right kind of feeders at a reasonable price. It is not my purpose to defend the milk producer or the man who buys young beef cattle to feed. These men are capable of working out their own problems. As a rule, they are progressive farmers and more capable of doing their own thinking than we are of doing it for them. What I do wish to you to use cottonseed meal instead of oil show is the fact that many dairy farmers living on low-priced land back from the proportion, but if you feed gluten feed I centers of population could make good would mix 100 lbs. of oats, 200 lbs. of corn money raising young dairy cows to sup- and cob meal, and 200 lbs. of gluten feed ply the demands of the milk producers. In together, or in that proportion. this way a few farmers could invest in course, the 30 lbs. of corn silage should good breeding bulls and devote more at- be fed in two feeds, 15 lbs. in the morntention to summer dairying and rearing ing and 15 lbs. at night, and I would feed dairy heifers. These cows ought not to the ensilage and then put the grain on it be offered for sale until they are five or when they will be mixed by the cow as six years old so that they can handle she eats. In this way I think you will

tracted as soon as they found a class of cows adapted for their business. A few men are making good money at this kind of dairy farming; there is abundant opportunity for many more.

Farmers situated in close proximity to milk producing sections could arrange some sort of an exchange whereby the heifer calves that show promise could be bought and raised in place of the weedy ones born on their own farms. This is an idea that has already taken root and is gaining favor among many already engaged in the business. More than this exchange is necessary, however, to satisfy the demands of the trade. A system of selection and the use of dairy bred bulls needs to be practiced. The laws of heredity must be observed in the controlling of dairy function. To raise highclass dairy cows one must keep good cows and use improved dairy sires. By the use of high-class breeding bulls and encouraging milk producers to use good sires and sell their best heifer calves to raise they would soon be able to buy beta record of the calves when taken away from his farm would be able to buy back cows of his own breeding.

Many milk producers are willing to pay from \$80 to \$100 for the right kind of cows from five to seven years old. Such cows can be made to pay their keep as soon as they drop their first calf and give two or three good calves to raise before they are sold. To grow and develop a grade dairy heifer to the age when she begins production ought not to cost to exceed forty dollars on cheap lands and the income from the summer dairy ought to pretty nearly pay operating expenses of the business.

New York. W. MILTON KELLY.

BALANCED RATION WITH SILAGE, TIMOTHY HAY AND CORNSTALKS.

from \$60 to \$80 for anything that has the indications of being a good milker. This question of dairy improvement is not so much a matter of a few dairy farmers buying improved cows, as it is get-ting the average dairy farmer to make a already has, but which he permits to go into the hands of the milk producers just Presque Isle Co. A. D.

As there is no clover hay in the roughage part of the ration it will be impossible to form the most economical and balanced ration without having one food stuff in the grain ration which is rich in protein and for this I would add either oil meal or cottonseed meal. Gluten feed will do fairly well though it is hardly rich enough in protein. With this roughage a good ration would be about 30 lbs. of corn silage, 8 lbs. of timothy hay, and all the cornstalks that the cows will eat feeder stock. You may ask me what this up clean. But I would not insist upon the cows eating the coarser parts of the butts of the stalks. Let them pick them over carefully and give them all they For the grain ration I would mix want. that the feeder of beef cattle and the in the following proportions: 100 lbs. of oats, 200 lbs. of corn and cob meal, and 100 lbs. of oil meal, and then I would feed to each cow as many pounds per day of this grain ration as she produces pounds of butter-fat in a week. I don't think you can get any better rule than this. This gives each cow a grain ration in proportion to the amount of work which she does which is the practical way to feed cows. If it would be better for meal I would mix it in exactly the same Of



(7)

531

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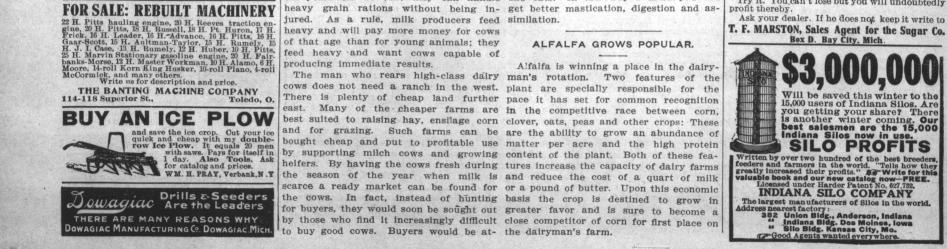
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DAIRY ASSOCIATION CO., MFRS. Lyndonville, Vt., U. S. A.





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ANNUAL MEETING OF MICHIGAN

HORTICULTURAL SOCIETY.

The forty-first annual meeting of the State Horticultural Society, which was held at Ludington, December 5-6-7, was one of the most enthusiastic meetings the dom of worms in this district is the alsociety has ever held. Although the at- most daily gathering of drops for evapings, the opera house where the sessions to the end with an intelligent and inter- none. ested audience, each person alive to the possibilities of Michigan as a fruit-growing state, and ready to exchange ideas and recite experiences that would assist other growers in their own work. A pleasing feature was the lack of any sectional jealousy, all portions of the state working together for the common good.

The exhibits were excellent, especially those of Mason county, in which Ludington is situated. This exhibit occupied a building directly across the street from the opera house, and although the room was too limited to admit of the best display of the fruit it was very strikingly tastefully arranged. The and exhibit comprised over 150 bushel boxes of apples, besides hundreds of plates, also baskets and pyramids of the different colored fruit, all of which was of good size, high color, and we might add, excellent flavor. In one case we noted that it took but 69 King apples to fill a bushel box. Aside from the Mason county display there were quite a number of exhibits from other parts of the state arranged on the stage of the opera house. These included the plates and baskets competing

for the prizes donated by manufacturers. There was also quite an extensive exhibit of spray machinery. A large garage was devoted to the exhibition of the machines, nursery stock, spray chemicals, ladders, fruit packages and other fruit growers' supplies.

Tuesday morning's session was opened promptly by President Farrand with an requisites are: (1) get a strong growth unusually good audience for the first session. The program was carried out in full as follows: "Thirty-five years of fruit growing in Mason county," by Smith Hawley, of Mason county, "New varieties for Michigan," by F. A. Wilken, of the South Haven Experiment Station, and "New Points in Peach Growing and Marketing," by George Friday, of Ber-The initial session is rerien county. ported as one of the most interesting and inspiring of the entire meeting and we regret our inability to be present and secure notes on it for Farmer readers.

After the noon recess Mr. Henry Waller, of Charlevoix county, gave some "Im-Ben Davis is still the chief variety grown, you." Take pool care of but that its place is being tob but that its place is being taken in the new plantings by Grimes, Wealthy, Jonathan, and others. Illinois apples have good flavor but lack size and as a rule the high coloring of many of the Michigan The barrel is the package varieties. most used. In Virginia the Piedmont Pippin, Winesap, and Albermarle Pippin are grown very successfully on limited areas, the York Imperial probably being most generally grown. The Shenandoah Valley is a leading fruit growing section. Spraying and cultivation is very thorough, and the box is rapidly gaining favor as a package. In Oregon small orchards pay best, one man being able to care for about five acres. All are boosters, each one trying to rival his neighbor. Cultivation, spraying and thinning are very thorough. The fruit is sold through unions, and packed by professional packers. a fruit growing state in comparison with and Paul Rose, were of the opinion that tivated mine 15 times this season.

THE MICHIGAN FARMER. of these being near Watsonville, Cal. Mr. without cost by growing crops between

Rome stated that the Watsonville district the rows. produced 5,000 cars of apples against a crop of 4,621 cars for the states of Oregon, Colorado, Idaho, Montana and Wash- the afternoon session with a talk on ington combined. He stated that in the district referred to the lack of the customary fog several years ago caused all of the apples to scorch since which time callus will form on the cut portion of the there had been few worms, but some cambium layer and the trees will be were present. Another cause of the free-

tendance was not quite as large as at orating and cider. Several growers cited some sessions on some previous meet- instances where Michigan growers had offered a substantial prize for a wormy were held was filled from the beginning apple from their orchards, but had found In discussing the topic,

"The Selection and Preparation of an Orchard Site,"

S. Bristol, of Lapeer county, brought 0. out the fact that although on some farms there may be no ideal soil for an orchard site yet trees will grow on almost any soil unless it is muck, and growers have had success on sand, loam, and clay. In one of his rented orchards the finest apples were produced on a gravel knoll where the tree growth was small. The subsoil is a better indication of the suitableness of the location than the surface soil. This should be porous and not too wet. Natural drainage is much better and cheaper than artificial drainage. The best sites may have wet pockets, which should be artificially drained. Peaches require well drained and preferably high ground, with good air, as well as water drainage. The preparation of the soil for the site is important. Mr. Bristol prefers to get the land in good tilth by fertilizer legumes and hoed crops before planting the orchard.

"The care of a young orchard" was the topic chosen by Mr. E. O. Ladd, of Grand Traverse county, because, as he stated, the young orchard is too often neglected. Mr. Ladd prefers to purchase his trees in the fall, and set early in the spring. He then gets a stronger tree and a quicker growth than from trees exposed in storage cellars during the winter. The chief each year to give size when in bearing, and (2) conserve and enrich the soil against bearing age. He believes in supby plying manure and sowing forage crops in the orchards. For such crops corn and red clover are used, sowing in strips between rows of trees. In the bearing orchards continuous cultivation is practiced until midsummer when a cover crop of oats and winter vetch is sown. The importance of care in the handling of the young trees, both before and after setting, was spoken of and the necessity of protecting from mice and rabbits by mounding or protectors. Start the trees low and prune moderately each year. Do not forget the spraying. "Take good care of

would pay to dynamite hard soils, Mr. Waller did not believe it would in this locality. The question of banking trees to prevent the conical holes about the trunks due to swerving by the wind, was discussed. Mr. Keasey believed that the banking would make the holes larger, while most growers believed it would tend to prevent the formation of such cavities. Deeper planting was also suggested. Mr. Morrill stated that dynamiting a clay soil when wet will make it pud- I remember of only three seasons when dle and form basins that will hold water. we did not have a dry spell, so in order Mr. plenty of water for sandy soils, while Mr. of moisture. How? In the first place, Farrand pointed out the danger of too and I believe the most important, the much water in the subsoll, as at the ex- right kind of soll must be selected. I periment station farm at South Haven. want a clay loam. Then keep it well cul-The question of storing nursery stock in tivated, never allow a crust to form, be cellars was discussed at length and all, sure to cultivate after every rain, while Michigan has many advantages as including such authorities as Mr. Morrill the ground is still quite wet. I have culwestern states. Markets are near, trans- it was detrimental to the stock and pre- the fall mulch with eight or 10 big loads ter in

Pruning. Paul Rose, of Berrien county, closed "Pruning." He believes in heading in trees in the fall, taking care to trim the roots before healing in, if possible, so a ready for growth early in the spring. Peach trees should be trimmed to a

whip. Other sorts may have spurs left to protect the buds. The framework branches should be properly distributed about the trunk, even if it is necessary to cut back the trunk and reform the head from a sprout. The head is formed the next year after setting. Don't head in trees too heavily but cut back a little each year, cutting more as the tree grows older. Trees must have plenty of room for best results. In apple trees avoid cutting too many large limbs. Gold Drop peaches must be pruned very severely, Elbertas much less. Always cut a branch where the circle is at the beginning of the enlargement and parallel with it. Prune in fall and winter if necessary Eight-foot ladders are the longest used on the cherry trees, and younger trees should be reached with five-foot ladders. If cut below the head the peach is likely to send up a shoot from below the bud, while a pear will generally throw out a shoot from the upper trunk. The principal of pruning required by a sour cherry is the shearing out of the cross branches.

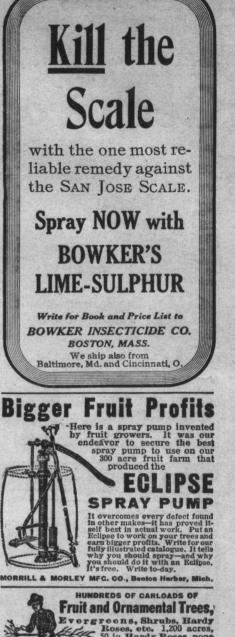
The discussion brought out a number of points, for instance: Mr. Palmer had found that he could substitute sawdust for bran in the bran-molasses arsenic treatment for cutworms; Mr. Rose advised cutting the tops from a pear orchard that had become too tall; Messrs. Farrand and Bristol suggested that on drooping trees the branches would be low enough, even if the heads were rather high when set. Mr. Farrand also stated that apple trees that had been pruned but little were bearing earlier and paying better than those more heavily pruned from the start. Mr. Friday said his trees were too low and that he preferred to have the branches off the ground in his cultivated orchard, while Mr. Taylor thought it strengthened them to lie upon the ground under his sod mulch culture. Mr. Hutchins thought the heads should be high enough so careless hired men would not easily bark the limbs, while Mr. Osborn thinks that one can get closer to a tree if the branches are started low and take an upward direction.

In the evening the annual banquet of the society was held at the dining-rooms of the Hotel Stearns, closing with an excellent list of toasts under the supervision of Geo. E, Rowe, of Kent county, as toastmaster.

Calhoun Co. S. B. HARTMAN. (To be continued).

In reply to the question of whether it CONSERVES MOISTURE BY CULTI-VATION.

I just read the article by J. L. R. entitled, "Strawberries Failed for Lack of Water." Having had 18 years experience, raising from three to seven acres per year, I will venture a few remarks Strawberries as a crop will do fairly well on most any soil, in favorable yearswhen it rains often during growing and picking time; but during my experience Dow suggested the importance of to succeed we must arrange for plenty In



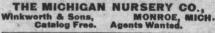
DEC. 16, 1911.

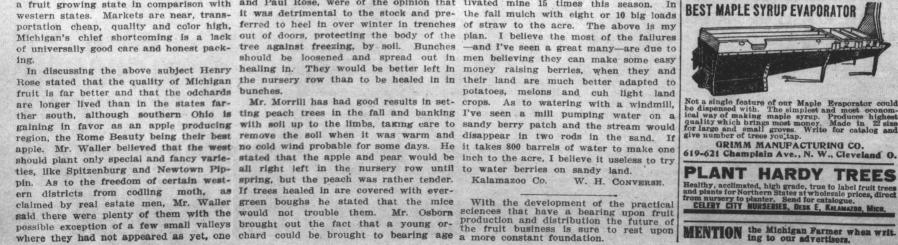


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THE MICHIGAN FARMER.

POULTRY

amine the contents of the gizzard. If the at it in the old way. grinding material is blunt and round the of the cause of the sickness. There is ism. Under this head I include hen-always a cause for sickness in a flock houses filled with lice and filth; floors any, are affected.

the hens. They won't eat potato peelings them have become unwholesome, disappear.

winter in the fowls' health and in eggs. not. It won't do to allow the hens to huddle we're after. The litter that accumulates where the hay is thrown on the barn floor makes the best kind of scratching mateplace. does no harm when they are not over- about. crowded and have a chance to exercise ter. their hunting and scratching. But when for this sort of floor covering is unhealthy.

We are learning the value of bran as a hen food. In their soft food for breakfast we use bran as a basis; it gives bulk. It is one of the desirable feeds that is not too expensive with eggs at present prices. An experienced poultry breeder says bran is a good regulator of the system and I know if other conditions are right the feeding of bran will increase the egg yield.

Every owner of a flock of hens needs a trough in which to feed soft foods. I know some folks who throw mash on the floor or in the litter. If the hens stop spell fected by the cold.

Indiana. F. M. W.

AVOID "FADS" AND "FOGYISMS."

a thousand who has ever really discov- the windpipe clogged with the cheesy ered anything. Usually the individual matter which covers the sores. Endeavor who pompously lays claim to making a to prevent the fowls that are still healthy discovery has merely just found out for from coming in contact with the matter himself something that somebody else removed from the sores when treating

himself something that somebody else discovered in the centuries gone by. This brings me up to the subject of "fads." Usually it is only the rich who can afford fads, so this should bar we poor poultrymen. But let me say to the poor poultry keeper, beware of com-mitting yourself too deeply to fads in poul-try work. Most of our present methods are the fruit of the experience of genera-tions before us, and we do well to profit by this experience, for we might live to a very ripe old age without discovering a living in this age of hustle. So don't LILLIE FARMSTEAD POULTRY B. P. Rocks, R. I. Reds, W. Wyandottes and S. C. W. Leghorn eggs for sale, 15 for \$1; 26 for \$1.50; 50 for \$2.50. OOLON C. LILLIE, Coopersville, Mich. MAMMOTH Bronze Turkeys-Large vigorous birds, May hatch. Toms, \$5: hens, \$4. SilverWyandottes, cock'ls \$1.50. E. H. & J. A. Collar, Coopersville, Mich. STRONGEST FENCE MADE ._15c. White Wyandoffe cockerels \$2.50, \$3 and \$3.50, from thoroughbred stock and heavy lay, ers. A Franklin Smith, R. F. D. 9, Ann Arbor, Mich. S. C. B. MINORCAS for sale. Large and all right every way. Northrup and Canada stock, Satis-faction guaranteed. R. W. MILLS, Saline, Mich. COILED SPRING FENCE CO. Box 21 Winchester, Ind. a living in this age of hustle. So don't The trouble is no doubt one of the call regular and accented methods "old many develop from colds fogyism" until you are sure you have Examine the mouth and throat carefully found something better. for mucus patches. If they are not pres-EVERYTHING FOR SILVER, GOLDEN AND WHITE WYANDOTTES. A fine lot of cockerels \$2 and \$3 each. Fine circular free. C.W. BROWNING, Portland, Mich. I once had the opportunity of reading ent, it is probably a throat or lung dis-POULTRY BREEDER a lot of manuscrips purporting to contain ease-bronchitis, congestion of lungs or DOGS. advice to poultry keepers. The burden pneumonia. As lung troubles are usually of it seemed to run in a course directly quickly fatal, it would seem likely that Modelfood, Modelmash, TRAINED running Fox Hounds, and young hounds bred from famous Coon hunting parents. Full blood Jerey heifers, send stamp. W. E. LECKY, Holmesville, Ohio. of it seemed to run in a course directly opposed to present usage in the care of fowls. Taken as a whole, it reminded me of a "beit line" railway in a neighbor-ing city where for five cents you could ride at a good clip for an hour or more without getting any farther than you could walk in fifteen minutes in the di-rection you wish to go. I have seen descriptions and diagrams of simple contrivances that would cost more to make than their use could ever earn, and so complicated that a metro-politan editor could discover neither head Modelchick, Model Developing Food, Model Pigeon Feed. FOR SALE, COLLIE One exceptionally fine bred bitch, sable and white and of the finest breeding. W. J. ROSS, (Bochester, Mich. Agents for Prairie State and Buckeye Incubators, the 20th Century Feeder and Exerciser, and Non-freezing Sanitary Poultry Fountain-No Lamp. Write Your Wants. FOR SALE-Collie ShepherdPuppies, bright, pretty feilows Males 34; females 32. Ted. Stansfield, Box 726, Hillsdale, Mich. Phone 707-4 Rings. MODEL MILLING CO., THE PORT HURON, MICH. FERRETS. 5,000 Ferrets - Always buy Michigan fer-better climated. Price list and cir. free, Dekleine Bros., Box 41, Jamestown, Mich Makes repairs neat The Aw canvas. Myers' Sewing Awl makes Lock Stitch. \$1 prepaid. Big money for agents. C. A. MYERS CO., 6324 Lexington Ave., Chicago, Ill. ALWAYS mention the MICHIGAN FARMER when vou are writing to advertisers.

nor tail to them; of poultry plants so ex-tensive and costly that the best business head in the world could never make them earn a single dividend; of "newly discovered" and new-fangled feeds and feeding DECEMBER POULTRY SUGGESTIONS. methods which, had they borne out expectations, would have speedily revolu-When dressing a fowl for dinner ex- tionized things, but most of us are still

Now the most important thing in every fowls are in need of proper grit. Also business, is that it be self-supporting, when dressing a healthy fowl note each and it should be put on that basis first organ and its appearance in a normal of all. To do this, accepted and tried state. Then when you kill and examine methods are generally necessary. Not an ailing bird you will have a better idea that there is no such thing as old fogyand postmortem examinations help us to composed mainly of droppings; carelessly discover which of the internal organs, if selected flocks of worthless hens; want of care and attention to the diet of hens. The hens do not suffer so much for I call it old fogyism to inbreed year after green food when the weather is nice and year, or to use poor and immature males; there is no snow on the ground. They eat to allow the premises to become overrun grass and seem to relish it though it is with rats and thus lose all or a part of dead and brown. At this season we give the young chicks; to allow eggs to pile the specked apples, at sorting time, to up in the nests until a part or all of or unless they are cooked, but the apple worse, and half or two-thirds of the laypeelings and cores are saved and placed ers have become broody. I include also before the hens and I notice they soon the allowing of a horde of young roosters among the layers at a time when the A scratching pen pays for itself in one flock should be laying at its best but is

I have named a few old fogyisms. in a corner if it's healthy fowls and eggs Now I am going to mention a few fads About the worst, in my opinion, is the keeping of a flock worth about seven dollars, in a thousand dollar plant, with rial. The hens scratch out the fine seeds about thirty cents worth of experience in and eat every clover leaf. But this sea- the business-when the keeper needs the son hay is a scarce article and we have money. Another is the continuous search had corn fodder shredded to take its for new and unheard-of breeds, and the I find the shredded fodder makes continual changing of breeds. Leave this good litter for the scratching shed. We to the fellow who doesn't need the mondon't like to have the hens out of doors ey. Remember that the buying public when it is storming or when there is wants the goods and cares nothing as to snow on the ground, and confinement how the getting of them was brought

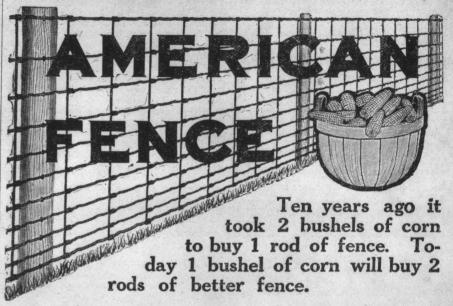
While it is sometimes necessary to put by hunting for small grains in deep lit- quite a lot into a business before any-The deeper the litter the more thing can be taken out, I say this of the amusement the hens seem to get out of poultry business: If you start right, your flock will pay its own bills right the litter becomes damp and heavy there from the start. Yes, and discount them is no longer any fun in it for the hens at that. So, be neither a faddist nor an old fogy, but never fail to profit by the sensible experience of others before you. Isabella Co. WM. J. COOPER.

IN ANSWER TO INQUIRIES.

Cankerous Roup. My chickens are getting a disease that I know nothing about. They do not ap-pear to be sick but their mouths are full of some kind of matter, so that they can hardly breathe. They open their mouths every time they breathe. Those that have it worst just stand around and do not seem to care for anything; appear to almost choke at times. Kalamazoo Co. J. L. Your fowls have no doubt suffered from

Your fowls have no doubt suffered from laying from the effects of a severe cold colds for some time and the trouble has feed heavier for a few days. If developed into cankerous roup, We kept busy they are not so apt to be af- would direct your attention to the article in last week's Farmer on "Treating Canker in Chickens." As stated there, it is a difficult matter to treat this trouble when the sores have invaded the windpipe, and from your description of the I don't suppose there is one person in trouble we anticipate that you will find

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DETROIT, DEC. 16, 1911.

CURRENT COMMENT.

Parcels Post. postoffice department,

just Postmaster General Hitchcock includes a a personal apeal to their senators and financial statement which is greatly to representatives in congress without delay. designated as the Commissioner of Im-his credit. In two years he has placed A possible solution of migration, under authority of which office the department on a paying basis, with a The Farm Labor the farm labor prob- the scheme above outlined is being workbalance to its credit of \$219,118.12 as compared with a deficit of \$17,479,770.47 at the beginning of the present admin- state, has been advanced by State Imistration. The total revenues of the de- migration Commissioner Carton. Briefly partment for the fiscal year ending June stated, Mr. Carton's proposal is to co-30, 1911, amounted to \$237,879,823.60, while operate with the Grange, as the most the total expenditures were \$237,660,705.48. suitable available organization to act for In the meantime there have been exten- the farmers in the several localities of sions of the service along many lines, in- the state, whether they may be grangers cluding the establishment of 3,774 new or not. The scheme is to have the local postoffices, delivery by carriers in 186 ad- Grange organizations make a canvas of ditional cities and 2,516 new rural routes, the communities in which their membernecessitating the employment of more ship is located to ascertain the kind and than 8,000 additional people by the de- amount of help which may be needed; partment. That this has been accom- whether a man with a family to live in plished and the postal deficit wiped out a tenant house, a family with girls to help at the same time, and that without any in the house or dairy, or a family with curtailment of the postal service, is a boys to assist on the farm. This informatter for congratulation, both to the mation to be forwarded, as gathered, to

<text><text><text><text><text><text><text><text><text> The detailed methods by which this re- who will, under an arrangement with the

THE MICHIGAN FARMER.

Postmaster-General, after commenting on spoken by the other. the fact that the benefits of a parcels post are widely enjoyed by the people of the immigrant drifts to our larger centers foreign countries and should be provided of population, as the great bulk of them in the United States, renews his request have been doing in recent years, since for authority to establish a limited parcels in this instance they are often able to post on rural routes, and also asks for secure work where the superintendent authority to institute such service in may be of their own nationality, or speak towns having delivery by carriers. The their language, or where in any event reason given for thus limiting his recom- some of their fellow workmen will be able mendations in this regard is that "in es- to act as interpreters. This, however, is tablishing a parcels post service great not an insurmountable objection and in care should be taken not to cause a con- every case, particularly on the farm gestion of the mails and thus embarrass which is equipped with a tenant house, it the present operations of the postoffices. need not necessarily bar an arrangement An attempt to absorb immediately under of this kind. one sweeping order the entire parcel bus-

Notwithstanding the recommendations for the other difficulties noted. There is and arguments of the Postmaster-Gen- no doubt but that the immigrants from eral on this point, the people of the coun- the agricultural sections of northern Eutry who are interested in the establishment of an adequate parcels post, such as them at least, are both intelligent and is enjoyed by the people of foreign coun- industrious and have in them the making tries, feel that such service can hardly of good citizens, as well as good workers, be looked on in the light of an experi- and that it would be to their benefit, as ment when it is in successful operation well, perhaps, as to the benefit of the in other countries, and even extends from country at large to divert some of this them to our own country. The recommendation that a limited parcels post tricts. service be established in cities having delivery by carriers would seem to eliminate one argument which has been per- hired help and have no tenant houses in sistently used against it, i. e., that such a delivery service would be impractical will prefer to secure the best available in cities. In any event, it would appear "home talent," where the hired help that the people at large are right in their must be taken into the farmer's family. contention that an adequate parcels post However, with so many of the country would be a greater benefit to the country young men seeking employment in the than would a reduction in the rate on city, there is an undoubted shortage of first-class matter, and it is certain that available farm labor of this class, even the advocates of penny postage will re- at wages which compare favorably double their efforts to carry their point, the opportunities offered in manufacturnow that the postal service is on a pay- ing centers, and this effort of Commising basis. Likewise the advocates of an sioner Carton to offer an adequate soadequate parcels post should not be idle lution will be watched with no small inif they expect to realize their desires in terest by the farmers of the state. this direction at an early date. The ben-fits of a general parcels post would be was created by an act of the legislature at In his annual report enjoyed by a far larger percentage of the the last regular session, which delegated Penny Postage vs. of the work of the people of the country than would the flice department, benefits of penny postage, and if they mission to the Public Domain Commis-made public, would be first served they should make signsion of the state and Mr. Carton who

> lem, particularly on ed out. Problem. the larger farms of the

administration and the country at large. a man in charge of this work in the east,

This difficulty is less apparent where

Without question, where help could be iness of the country would be a danger- secured for the housewife, as suggested, ous experiment for our postal service." this might prove adequate compensation rope, or a considerable proportion of class of immigrants to the country dis-

> On the other hand, the large proportion of the farmers who are obliged to employ which men of families may be housed,

the added duties of an Immigration Comsionsion of the state and Mr. Carton, who was secretary of this commission, was A possible solution of migration, under authority of which office

HAPPENINGS OF THE WEEK.

National.

National. In his annual report to the President, secretary of war Stimson declares that the army of the United States is prac-tically unprepared for field operations, which fact he attributes to the scattering of the troops over the country in the many posts, and also to the lack of re-serves. The secretary also urges that the right of American citizenship be extended to the natives of Porto Rico. An explosion in the Cross Mountain mine at Briceville, Tenn., last Saturday morning was thought to have killed at least 100 men who were in the mine at the time. However, on Monday five per-sons were taken out allve, and it is now believed that others who were thought 22 bodies have been removed. Fire damp, which was the cause of the disaster, pre-vents more rapid operations by rescue arties.

000. This sum has been deposited in 2,710 raw recruit who, while he may be famil-mational and state banks, and is protected by approved bonds deposited with the treasurer of the United States. But perhaps the most interesting phase of the report to our readers is the recom-mendations which it contains regarding the establishment of a parcels post. The cerned are conversant with the language

amazed the whole country were uncov-ered. The Michigan employers' liability and workingmen's compensation commission has completed its report, which includes the draft of a bill to be submitted to the coming state legislature. The commis-sion has incorporated in the bill features of similar laws for Massachusetts, Wis-consin and Washington, and it is believed that the bill will meet with popular favor.

favor. The commerce court has made perma-nent the injunction restraining the inter-state commerce commission from enforc-ing its order for a reduction in cross country rates. The question will be car-ried to the supreme court and will decide the long and short haul clause of the railroad act of 1910.

Foreign.

Ontario elections resulted in a victory for the conservatives, although the ma-jority is slightly below that of the former government. The returns show 82 con-servatives, 23 liberals and one independent elected.

elected. King Gustave of Sweden, presented three of the Nobel prizes to the winners on December 10. The successful-parties were Mme. Marie Sklodowska Curle, in chemistry: Prof. Wilhelm Wien, in phy-sics, and Prof. Gullstrand in medicine. The Nobel prizes each amount to nearly \$40,000. \$40,000.

The Persian cabinet refused to accept

The Persian cabinet refused to accept any tentative proposition from Russia which provides for the dismissal of the American treasurer, Schuster, who, they claim, has been able to prevent the plundering of the treasury department of the government. The insurance bill before the British House of Lords has reached the second reading. The bill provides for the gen-eral insurance of employes, such as is now in force in Germany. In an open letter, Easquez Gomez, former secretary for the state of Mex-ico, who was supposed to have joined General Reyes to aid in the overthrow of the Maderlo government, states that he is favorable to the present adminis-tration and against the Reyista move-ment. ment.

NATIONAL CROP REPORT.

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ooo acres. From reports of correspondents and agents of the Bureau, it is estimated that the area sown in the fall of 1911 for the 1912 rye crop is approximately 0.9 per cent more than sown last year (fall of 1910); this would be equivalent to a total of 2,436,000 acres, on the revised basis indicated above. The condition of the crop on December 1 was 93.3 per cent of normal, against 92.6 and 94.1 on December 1, 1910 and 1909, respectively, and a ten-year December average of 92.8.



This Magazine Section forms a part of our paper twice a month. Every article is written especially for it, and does not appear elsewhere

THE SANTA CLAUS of SWISS FOLKLORE. much to hear me tell the story of the

HE original Santa Claus is not product of the imagination, but

There is no written history or biography of his life and doings, and, so far as I have been able to ascertain, there never was. All that is known about him has come down to us through the centuries in folklore-in unwritten history, transmitted from one generation to another by word of mouth. That, as is well known, an entertainment. is not an unusual way, even now, of transmitting knowledge of facts, or of persons and events. In times past, especially before the art of printing was introduced, oral history was in better repute than it now is, and also more reliable because intelligent people had better ability to remember things, and, on average, more conscientious regard for truth.

Let it be distinctly understood, at the outset, that this story of Santa Claus is not a legend. A legend is a traditional story or narrative, with some facts, generally more or less obscure, mixed in, but not reliable as historical information. Folklore, on the other hand, is more reliable as to truth and fact.

I first heard this story of Santa Claus, when a child about eight years of age. My parents, from whom I heard it, were Christians-of the praying sort, and so also were their parents, from whom they heard the story-and so on back, from generation to generation, the story may be traced along a channel as reliable as human memory and Christian honesty can be relied upon. My telling of the story is somewhat hampered by the fact that my memory recalls it in German, my mother tongue, in which it was related to us children, in Switzerland, many years ago.

The Santa Claus of my story was originally and familiarly known by the name of "Father Klaus" (Vater Klaus), "Klaus," being an abbreviation of "Nich-He was one of the better sort of olaus.' Christians, as they averaged in those days of ignorance and superstitious credulity. To him the living of the Caristian life meant imitation of the perfect human life which Christ manifested in living and dying for others. Father Klaus was not called a saint (from the Latin word, sanctus, holy) in the days of his quiet, but very practical holy living. The title, saint, was conferred upon him by his church, sometime after his death, in recognition of his good and useful life. From that time on he was known, in all the region of his formbenevolent activities, as "Sanct Klaus," and that name has come down to us by common consent in the familiar form of Santa Claus.

It is a matter of deep regret to me that the folklore which transmitted to us the name failed to transmit also the fame of Father Klaus as the father of the Christmas-tree idea, as well as a somewhat correct knowledge of his personality, character and good works. There is—or was when I was a little boy—a distinct trace left of this among the people of the Alpine region of Switzerland. Some of these people it was, who, coming to the new world and settling in colonies here and there, perpetuated the Christmas-tree folklore among themselves by celebrating as a religious festival the oldtime Christmas eve with their children. Here, then, we have the origin of our popular custom, adopted by common consent by nearly all classes of our people, _________ simple of making the decorated evergreen tree them it would seem too much akin to trudging joyfully along one Christmas Eden. a prominent feature of the annual Christa prominent feature of the annual Christ- sacrilegious mockery. And so deep and day, loaded to the limit of his strength mas eve celebration, especially intended lasting has been the impression upon my with a great pack of various kinds of gifts for our children.

BY J. D. GEHRING.

was a real, living personality, presented at Christmas eve festivals. The never in Switzerland do they mimic the mistake made by the Americans was and hero of their Christmas-tree story, though is the omission from their Christmas-tree they recall him to their children by exprograms of the Swiss religious element plaining to them that it as the chief feature, and the substitution Klaus who first conceived the beautiful of a clownish character called Santa idea of symbolizing Heaven's greatest Claus, together with a more or less frolic- gift to man by an evergreen tree adorned some and frivolous performance called with lights and red-cheeked pears and The Swiss have never, to my knowledge, in- grapes, and other good and beautiful troduced a mimic Santa Claus into their things so pleasing and delightful to chilcelebration of the Christmas festival, for dren.

was Father foreign-born apples and clusters of beautiful black

the very good reason, I think, that to Father Klaus-so the story goes-was

A DAY IN WINTER.

By Mildred M. North.

The waning moon, a silver crescent thin. Puts out her light ere the new day begin. The white stars take their candles one by one And follow ere the coming of the sun. The blackness hiding all the sea and land Grows slowly gray, while a swift unseen Hand Paints a faint light of topaz in the east Which, as the slow-winged daylight is increased, Is changed to crimson. Fleecy clouds are drest In regal robes of rose and amethyst. Up from behind the low dark fringe which shows The distant wood, into the glow which grows More deeply crimson, comes the sun-a ball Of living flame which, rising, touches all The landscape with a radiant light. The snow Shows flashing jewels in the golden glow. From the wide chimneys, rising dark and tall Above the farmhouse roof, the smoke-wreaths crawl. The milk pails rattle; then from out their shed The sleek cows come with slow reluctant tread.

At noon the sky bends blue above; the snow Glistens like diamonds any queen might show. The sunlight silhouettes the tall gaunt trees On snow-white canvas where they seem to freeze. From bush to tree, with loud discordant cries And restless movements, a lone bluejay flies. Bevies of snowbirds circle through the air With graceful whirl, then slowly settle where Some tall weed lifts its head above the snow, Or where the wild rose's bright red berries grow, To take their midday meal. With dainty tread rabbit springs along, then lifts its head With eye and ear alert for danger near. Upon the frosty air comes, sweet and clear, The ring of sleigh bells. Slender fragile spires Of clear icicles catch a hundred fires From the white sunshine, throwing back its parts In many hues from out their crystal hearts, And, glistening in the light which noon receives, Hang like inverted Milan from the eaves.

The sun sinks early, down behind the hills Snow-capped and silent. Through the air there thrills A deeper cold. The baying of a hound, Late from the hunt, comes with a mournful sound. A great star like a gleaming jewel glows Above the trees. Then, as the darkness grows, Star after star appears to light the haze Until the whole broad heaven is ablaze. Far in the north the weird auroral light Flashes its silent signals through the night

Star of Bethlehem, the birth of the babe Jesus over sixteen hundred years ago, in a way they've never heard, and I've never Yes," he said, musingly, as he yet told? looked at the shapely young fir trees on either side of his path, "I shall begin my new Christmas lesson today, and teach the dear children what is to me so grand and inspiring." Suiting the action to the thought, Father Klaus cut one of the little green beauties near the ground, and then, with his pocket knife, trimmed off some of the lower limbs as he went on his way. When he arrived at the hut of one of the mountaineer families, he placed the tree upon the family diningtable by setting the root end into a jar of sand. Then he suspended from its branches the presents for the children that were beautiful to look at and good to eat, laying all the others intended for the children of that family upon the table: and, putting a few small wax candles in the most conspicuous positions upon the tree and lighting them, he invited parents and children to come and take seats around the table. He then chanted a familiar hymn, the parents and the elder ones of the children joining, after which he requested the mother to make a report to him as to the conduct and behavior of the children since his last visit. A good report concerning any one of them was heartily commended by Father Klaus, and a report not commendable concerning one or another received a few kindly-spoken words of reproof and admonition. Each child was addressed separately by Father Klaus, commending or reproving, as the case might be, according to the mother's report. It is said, too, according to the story, that in extremely bad cases of reported misconduct Father Klaus would present the guilty one with a birch switch, instead of a present that could be eaten or worn, at the same time charging the mother to use it if no better behavior followed. However, before going on his way to the next family, Father Klaus left with the mother all the presents intended for the unfortunate child, to be given to him, or her, after confession, and a promise to do better.

This ceremony having been religiously attended to, Father Klaus explained to them all the meaning of the tree and the things upon it. He said: "As I understand it, my dear children, this tree reminds us of everlasting life. It is evergreen, always green and vigorous and fresh as it grows on the mountain-side, because it never sheds its foliage as other trees do. When we look at the brightly shining lights upon it, we are reminded of the star that shone for the kings, the Wise Men of the East, when they sought and found the new King, the night He was born in Bethlehem. We are reminded, also, that Jesus proclaimed himself to be the Light of the World, which means that some time the glorious light of the knowledge of God, and of His wisdom and of His love, shall be shed abroad over the whole earth, so that there shall be no more ignorance, nor sin, nor sickness, nor woe and misery; and no more dying and weeping and mourning in that

mind of the folklore story of the original for the children of his parish, for this The Swiss Americans, however, from Sancta Klaus, as I heard it in childhood, annual remembrance of the children was whom the custom was borrowed, were that I have never yet learned to regard one of the great joys that filled the life not responsible for the American carithe American misrepresentation of him of this devout and charitable man. Like cature of the original Santa Claus. The with any degree of approval. American idea is a myth, as commonly

Slow round the pole the seven sisters swing, Bringing us one day nearer to the Spring.

ing Day. You will remember that, dear children, will you not?"

Then, directing attention to the fruit hanging from the boughs of the tree, as though it had grown there, Father Klaus explained its symbolic meaning as a Christmas lesson by telling them, in a simple, instructive way, the story of

"Those clusters of grapes," he is said to have explained, pointing to the tree, "are there to remind us of what Jesus said to his disciples when he likened himself to a grapevine (John 15:1), and them to the branches."

The lesson ended, and all of the family an inspiration, the thought came to him: My memory also recalls the fact that "Wouldn't it please the children very made happy and thankful for the gifts

Klaus had distributed among Father use as a Christmas lesson farther on.

THE MICHIGAN FARMER.

them, he again took upon his back the as I heard it, Father Klaus continued, little fellow started to cross the floor, heavy load of Christmas gifts yet remain- going from one hut to the next, until all ing and departed, chanting words of the families of his parish had been visited after him. praise and thankfulness as he trudged on Christmas day. It was not possible, Teddy s along through the deep Alpine snow on of course, for him to do all this on the his way to the next stopping place. Of evening before Christmas. The Christ- throwing one arm under the frail shoulcourse he did not forget to select, as he mas eve celebration of our time is a ders. "There, now we'll pull together like had done before, a suitable fir tree for modern invention, concerning which Fath- a team of mules." er Klaus knew nothing.

This, according to the folklore story I'll tell her you've comed," and the poor painfully dragging his almost helpless legs

Teddy sprang quickly to his side. "Can't I help you?" he said, very gently

The boy looked at Teddy in surprise, nen he smiled. "I like you," he said, then and from that moment Teddy was his hero

When Joey reached the bedroom where Belle Murdock lay, he went up to her bed and announced, in a loud whisper: "Sister, big John Delvin' an' a good little boy, an' a pretty little girl have comed to see you, an' they've got a big basket with somethin 'in it."

"I don't want to see John Delvin; I don't want to see John Delvin," she answered fretfully.

"But, 'tain't nice to tell company to go away," pleaded Joey. "An' here's the good little boy. He-he comed in with

you were getting on. I hope you are better this morning. You know I'm the boy who helped you out of the water.'

There was a moment's silence, then I You're a fine brave boy, an' you saved There was a deeper

I put ceremony to one side and stepped borly turn. Mary Jane has put up a few ney at heart was not a gentleman, and things for you and Joey and your father There is little hope for the home of the unworthy of the wedded love of a girl to eat, because she thought that you umphing over a defeated rival; for I could all we can; and we'll play-I can stay, Rodney's words, and, while I despised the to town, and I will have my own family doctor. Doctor Goldthorp, call to see you. He will put you on your feet in a jiffy. my way back I will stop and get On Widow Thorpe to come and stay with you Come, Joey, let us see what goodies Mary cake, and some tarts, and raisin cookies. Come," and stooping, I very tenderly lifted his frail form up into my arms and bore him back to the other room.

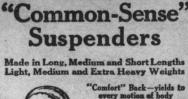
I could see that my presence, for some disturbed Belle Murdock very glance, as I entered the room, and then had turned abruptly from me, and never of her face startled me by its pallor, its way responsible for the ungracious man-

I sat Joey down in a chair by the ta-"Uncle John!" Teddy's voice was full ble, and opened the basket. He watched of suppressed emotion. "Uncle John, if— me hungrily, and when I came to the fully. I cut a generous slice from the cake, and Ellen passed it to him; but he shook his little head bravely.

"No, no," he said, "I must save all the nice things for Belle, 'cause she's sick. Belle always gives me th' best of every-God forgive me! But how I did want thin' when she's well. You don't know died, an' now she's took sick, an'-an','

Ellen looked at the thin, pain-marked arms around the child's neck, and kissed "Fighting would not mend matters be- him, and smoothed his hair back from

(Continued next week).



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THE BACHELOR UNO BY EVERITT McNEIL. "Of course you know that Elsie Lamont

<text>

man who has such convictions and the like Elsie Lamont. A gentleman would could not do much cooking, for a few days folly to live up to them, nor the children have scorned the meanness of thus tri- at least. Now, you musn't feel so badly who are brought up amid such surroundings; and Belle Murdock, I am sorry to read plainly the motives back of all of right in a day or two. I am on my way say, was the child of her home. She was tall, lithe girl, with snapping black a eyes, straight black hair and olive complexion, and of a gipsy-like beauty very vixenish temper, and, in her way, she tunately there was but one other child, slip 'twixt the cup and the lip,' and much Jane has packed in the basket for you. little Joey; but he, unfortunately, was a can happen, even in one week. Hence, I I think I saw her putting in a frosted little Joey: but he, unfortunately, was a cripple, with a painful spinal trouble that kept him in the house most of the time. All the neighborhood knew how carefully and lovingly Belle Murdock had cared for him since the mother died, and, because of the knowledge of this sisterly devotion, all had a tender spot in their flashed over Harry Rodney's face; but he much. She had given me a frightened hearts for the girl, and pitied her more answered me quietly enough. than they condemned her.

of the class of people to whom Belle horse's flanks and galloped off. Murdock belonged, and hence my surprise "Uncle John!" Teddy's voic in finding him coming from this lowly full of kindly consideration for all in misfortune, had sent him. I fancy the meet- strong." ing was not a pleasant one to either of us. sight of me, but his greeting was cordial looked up pleadingly into my face. enough.

stopping his horse. nate accident this fall of Miss Murdock's was. Poor girl, the doctor does not hold out much hope for her recovery. Elsie," I thought I detected a gleam of triumph beware. in his eyes as he pronounced the name,

and I are to be married a week from next Sunday," he continued. "It is a love match, and we are both very happy; and, somehow, I feel like telling everybody of my good luck. I suppose you think me very foolish, you are such a staid old bachelor; but wait until you love a girl like Elsie Lamont, though I doubt if there me.' is another like her in the whole world, at "Good morning," said Teddy. "Uncle least there is not for me," and he smiled. John and Ellen and I called to see how "Can't you congratulate me, John Delvin? You know the value of the prize I have won

His black eyes looked straight into mine, and I knew that he meant the heard the woman say: "Come up closer, words to cut-and they did-right to the where I can see you face. Give me your heart. I felt my blood begin to tingle, hand. Yes, you do favor John Delvin. and my fingers itch to grip him by the neck, as he sat there on his horse watch- my life that day. God bless you! Oh, ing me with that gleam of triumph in his oh! the pain in my head an' back! It's eyes and that impudent smile upon his killing me! Killing me! An' I don't want lips, and choke the name of Elsie for- to die! I'm not fit to die!" and she began ever out of his throat. Yet, I had to hide to sob and moan. the pain and rage in my heart and to agony than pain and the natural fear of answer his courteous words with other death in her voice. words of courtesy, for I, the scorned suitor, had no right to publicly resent what to the bedroom door. "Pardon me, Miss Rodney, with such seeming courtesy, had Murdock," I said, "but Ellen and Teddy told me. In another way his words gave told me of your accident and we have me pain, for they convinced me of the called to see if we can do you a neightruth of what I had long felt, that Rod-

man, I felt with even greater keenness, the bitterness of his triumph. "Mr. Rodney," I said, "I do wish you

attractive to some men. But she had a and Miss Lamont a long and happy life, if you wed; but," and I smiled, "you for a few days, until you are better. was as shiftless as was her father. For- know the old saying: "There is many a trust, you will not think my congratulations the less sincere if I withhold them until after the wedding." I spoke banteringly, to hide my feelings; and I wondered what there was in my words to cause the sudden look of fear and hatred that reason,

"Such sayings are for old women and The house was situated a little back disappointed suitors, not for happy lovers had answered a word. The glimpse I had from the road, near the bank of the river. like Elsie and me. John Delvin, the wo-As I turned into the driveway leading to man does not live who can make a fool marks of suffering, and the despairing the door, I was surprised to meet Harry of me, and God pity the man who tries look in the eyes. Evidently she was a Rodney mounted on his black racer. I it. Good morning," and his eyes, for an very ill woman, too ill to be held in any had never known of his taking any inter- instant, looked defiantly, threateningly inest before in the fortunes or misfortunes to mine, and he dug his spurs into his ner of my reception.

house of trouble. Probably he was there if-if you want to punch that big man frosted cake and cookies and jellies he because Elsie, who, I knew, had a heart I'll hold the horses. I know you can do clapped his thin hands and laughed joyit, even if he is big cause you are so

"No, no; oh, don't fight, Uncle John; I know it was not to me, and I saw 'cause he might make your nose bleed,' Rodney start and frown when he caught and Ellen caught me by the hand, and

"Good morning, Mr. Delvin," he said, to feel the grip of my hands around the how good Belle's been to me since ma " What an unfortu- throat that had voiced those last venomous sentences! No, no, there must be no his eyes filled with tears. fighting, for Elsie's sake, unless he was plainly the aggressor; and then, let him face for a moment, and then she put her

DEC. 16, 1911.

"is very anxious to know how she is this tween us, Teddy," I answered, shortly. his forehead, and said: "Don't cry, 'cause morning, so I rode over to inquire, and "Get up," and I drove to Red Murdock's I know your sister will get well now, to see if there was anything Elsie or I door.

could do. You know Elsie and I came to Miss Murdock's assistance, after this "Come in," and little Joey struggled to brave little boy and girl had pulled her his feet to greet us, as we entered. "And I'll stay with you while Uncle John out of the water," and he nodded to "My papa's gone to town." he said. and Teddy go to town; and, oh, we'll Ellen and Teddy.

my hope that they would not prove fatal. not like the way he was coupling Elsie's sick," and his voice became lower. prolong the interview. If he had spoken thus to make me feel his triumph, he certainly was accomplishing his object, for he shut th' door an' I couldn't come in to I did feel it, and bitterly.

'cause Uncle John has come. Uncle John When I knocked a childish voice called; can do' most anything, 'cause he's good. She hesitated just a moment. And-"

have such a good time! We'll put some "Th' other big man sent him as soon as I expressed my sorrow at the serious he comed in. He's goin' to fetch me some jelly in a saucer, and some tarts and nature of Miss Murdock's injuries, and candy an' somethin' good to eat," and the cookies and cake on a plate, and we'll sunken eyes lit up and the thin face bring it to your sister: and we'll set the I did this as shortly as possible, for I did flushed with pleasure. "Belle is awful table for ourselves, and eat and eat just "She all we can; and we'll play--I can stay, name with his own, and I had no wish to felled an' hurted her head. She's bad can't I, Uncle John?" and she looked at this mornin' 'cause I heered her cryin' me beseechingly. "Why, Ellen, I thought you wished to when th' other big man was with her, an' go to town," I answered.

comfort her. Did you want to see Belle?



CHRISTMAS ALL THE YEAR.

BY VAN R. W. HORTON.

Ring out the bells, and welcome here This brightest festive day, For "Christmas comes but once a year;" But happiest are they Whose quickened ear is trained to hear The angels' song alway.

The selfish ones who eat and drink With laughter, song and glee, But never of the needy think, A one-day Christmas see.

While they who heed the Christ's com-mands, Who live with conscience clear And greet the poor with open hands, Have Christmas all the year.

Each night they hear H1s angels sing "Good will and peace," again, And see each golden morning bring H1s gifts of love to men-

The pleasures of their daily walk; Sweet light, and vital breath; The power to think, the power to talk; Life's triumph over death; The

The beauty of the vales and hills; The singing birds, and flowers; All, all, are gifts with which He fills This pleasant world of ours.

For He came down to teach and die To raise us up, and then, When He ascended upon high, Gave life's full boon to men.

And so they ken a Christmas-tide Beyond death's mystic stream, Where all His Faithful friends abide, And life is bliss supreme.

A CHRISTMAS IN THE SUNNY SOUTH.

BY ELISABETH ROBERTS LITTS.

I was invited to spend the greatest of all festive seasons—Christmas—in the sunny south. I looked forward to it with great expectation, nor was I disappoint-To a girl from the north who has ed. never been below the Mason and Dixon line, and whose only knowledge of the southland has been gained from books and the drama, a great many surprises are revealed. My anticipations of the novel things I was to witness were doubly realized, and the thought, "can this be the mountainside where, he said, Uncle Sam's country, too?" was often impressed upon me.

Perhaps the thing that strikes you first as being of the south-southey is the colored population, as the black faces ap-beautiful shades as are only found in pear at every turn. You are bustled into mountainous countries. I could not help ored population, as the black faces apyour cab by a black porter and driven to your destination by a negro driver. At the door another gentleman of color takes your baggage, and you are shown to your room by a mulatto girl wearing a white apron and cap, as the old southern families retain the custom of having their house servants appear as neat as possible although the old style of family livery is now seldom seen. I had heard of the old southern homes

with their yawning fireplaces. The house surprise. to which I went as guest was a large, old-fashioned brick, with a hall through the center. I was told that it was the largest house in the city at the time of war and had witnessed many encounters of the blue and the gray, as this was the historic city of Chattanooga.

When I stepped into my room the extremely high ceilings, with the long windows coming down to the floor, and the great width of the apartment, appalled me. I looked for the fireplace the first thing and instantly perceived the bright lights flickering on the walls as the flames shot up the great chimney. These fireplaces are the bright spots that relieve the dreariness of the large rooms, with their "old-timey" dark furniture and trimmings. About them there is an air of cheerfulness and they give a very homelike and comfortable feeling.

Having often heard of the hot bread of mind quickly flew back to the well-known the south, and having had visions of wreaths hanging in northern windows, warm, steaming, light bread, hot and and the stingy little pieces adorning the clammy, such as you have often eaten new silk designs in the shop windows. at home when the bread runs out before This, like the mistletoe, was much larger the new baking is cold, I fancied life and fuller than when it reaches us in the there, for the cooks, must be one doughy north. A few days before Christmas I went round of yeast, kneading, and scorching ovens. But here is where weak suppo- down town to do some shopping and was sition comes to naught. Bread, such as astounded to see the great quantities of we know it in the north-raised bread- holly and mistletoe that had been brought is almost as much a novelty as an Uncle into the city. On one of the prominent Tom's Cabin show or a boy whistling corners Christmas greenery was piled "While we were Marching Through Geor- along the edge of the sidewalk in great gia." Hot bread in the south means bis- masses. I stood spellbound looking at it. cuit and corn pone. Yes, pone is the On the opposite corner was a tall mountright name, because the corn bread we aineer with a wagon completely loaded. are accustomed to is called egg bread, I felt a desire to purchase some, chiefly down there, and is considered quite a because it seemed so plentiful. I selected delicacy. The regular diet in the bread several large branches, all that I cared line is biscuit for breakfast, also hot to carry, and asked the man how much cakes and molasses; for dinner there is I owed him. "Well, about a dime, I reckthe corn pone, and biscuit, too, but al- on," he drawled. I was nonplussed. ways the corn pone. With supper time dime! This amount of holly and mistletce comes biscuit again, little flaky biscuits, up home would be worth several dollars. for if there is anything in practice mak- The one great peculiarity that brands ing perfection the negro cook of the south the southern Christmas as decidedly dif-

has surely reached the acme of biscuit Light bread, as they term it, making. is a side dish, an extra affair seen at supper time perhaps once or twice a week, but, in well regulated southern homes, never oftener.

THE MICHIGAN FARMER.

The southern people are delightful. They have true hospitality, but they are reserved and wish to find out who you are and what you are before they take you into their circle of friends, although you are always treated with a politeness and consideration that has long been one of the endearing qualities of these peo-What impressed me most in the ple. contrasts that I was wont to draw, was the different mode of speech and manner in addressing you. Their tones are soft and well modulated and the words are pronounced very lightly. Scarcely ever is an "r" sounded. You are always addressed as Miss Clara, for instance, never as Miss Smith. It is Mr. Jim and Mr. Harry, too, an old-time custom that originated with the darkies in slave times and gradually crept into the talk of the white people, as many of the old darkey superstitions and weird fancies have done.

But I was to tell of Christmas time in the south and not of the ways of these people. This is surely a period of cheer and good will. It is not merely the passing of the day, as it is with the busy bustling north, but in the south it is an occasion looked forward to all year. It is the time when the boys and girls come home from college. The married daughter, with her children, comes to spend the holidays with the old folks at home. The son who is out in the world takes his vacation at Christmas time so he can join the merry family group, for this is homecoming time, and an unbroken family circle is the happiest event that can take place in the southern home.

I had wanted to see the mistletoe growing, for the south is the home of this yuletide feature which bears with it so many pretty little romances and legends. A friend offered to take me up on we would find mistletoe. It was a beauti-fully clear day and we rode through the hills where the ground was covered with exquisitely tinted autumn leaves-such thinking of a nutting expedition in the fall, instead of a hunt for mistletoe at Christmas time. We presently came out on top of famous Missionary Ridge and, after a search among the old trees, my friend finally discovered a large piece of mistletoe hanging from the limb of a grand old cnestnut tree. How odd it looked a way out on that huge limb, with its frosty berries clustering thick mong the leaves. I gave a little exclamation of

"Oh! is that the way mistletoe grows," I said, "just like fungus on an old stump?" I was informed that it grew an old I just that way and that it may be found on most any large tree, but generally on oaks and chestnuts. And such beautiful mistletoe it was, not like the tiny, shriveled up branches we get in the north, but magnificent with its thick leaves and large full berries. My companion succeeded in knocking off several branches and I was delighted with our find.

I was to have another pleasant surprise that afternoon, and that was when I was taken up to a holly tree and asked how much of it I wanted to take home. Did you ever see a holly tree in full bloom? If you have not you cannot imagine the pretty sight. Here is a whole tree bristling with its sharp-pointed leaves, and brilliant with its cardinal berries. My

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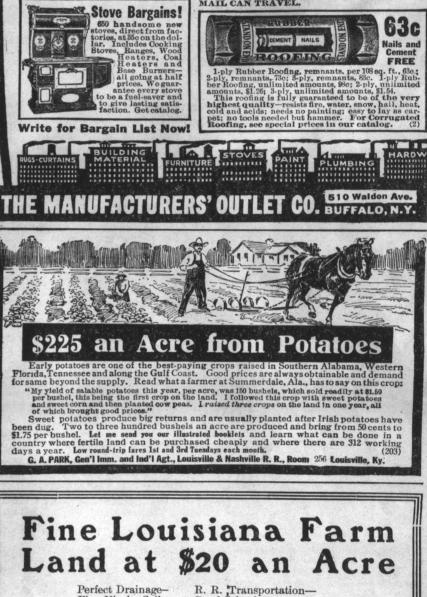
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ferent from the northern is its carnival across the street, bearing the words other members of the household calling off in a profusion of bows and thanks for feature, which begins to be noticeable "Merry Christmas," meets your eye, and merrily to each other "Christmas Gift," your generosity. I pointed to the mantel, about the second day before Santa Claus the strangeness of it all is forced upon as that is the usual morning greeting, where a small package rested, and said: makes his appearance. I had been told you. Kindling and about it and was waiting expectantly for day attire; young and old blow horns, of holly and mistletoe. crank of an infernal little machine they call a frog, emit the most ear-piercing but I did not sleep. sounds about your head. Crackers are

THE MICHIGAN FARMER.

Christmas eve, when, I understood, it but the noise did not cease as we en- "Merry Christmas." would break out with all its fury. It did tered the house. The darkies were singnot disappoint me. Everybody goes down ing and having a regular jubilee in the room to build the fire in my fireplace. ribbon. Her joy knew no bounds as she town Christmas eve. The streets are kitchen. A few were assisting the lady When she saw that I was awake she immediately began to view herself in the jammed with people; everyone is in holi- of the house in putting up the last pieces greeted me with "Christmas Gift, Missy!" glass, holding the collar to her neck and shoot toy pistols, slyly steal up behind nuts, candies and fruit were upon the I made any effort to give her a present, I reminded her that the fire was not yet you and, with a few swift turns on the table, and we made a dash for them. for Christmas time is a big event with built and I wished to arise. After an hour of merriment we retired, the darkies. They all expect a present

exploding and your clothes are becoming at midnight, was still holding sway down on learning, a few days previous, that it church and at 7:30 set forth, dressed covered with confect. You catch the town and I could hear it as I tried to was the custom to give each of the ser- lightly and without a wrap. I noticed a holiday spirit. Your mind becomes con- sleep, being unusually wide awake from vants a present. One need not give them few men seated on their porches reading fused and you wonder what it is all the excitement and novelty of it all. I anything great as they are easily pleased; the morning paper, and I repeated "This

About eleven o'clock we returned home, and takes the place of our greeting of wood fell to the floor with -a crash as

Large dishes of then rolled her big round eyes to see if crooking her head from side to side until from everyone in the house, and they of small arms and crackers. I determined The racket, which had only increased always get it. I had provided for this to go to early morning service at the

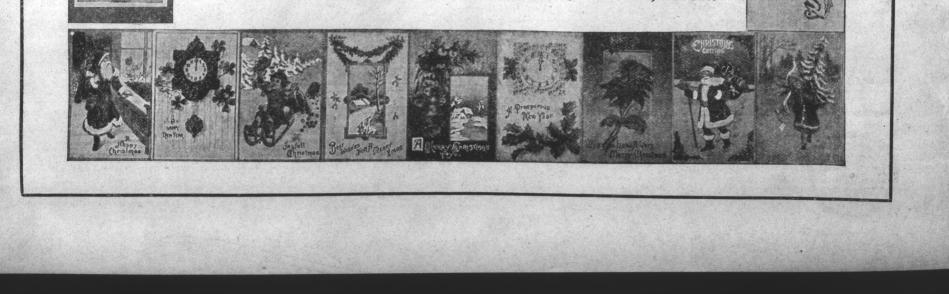
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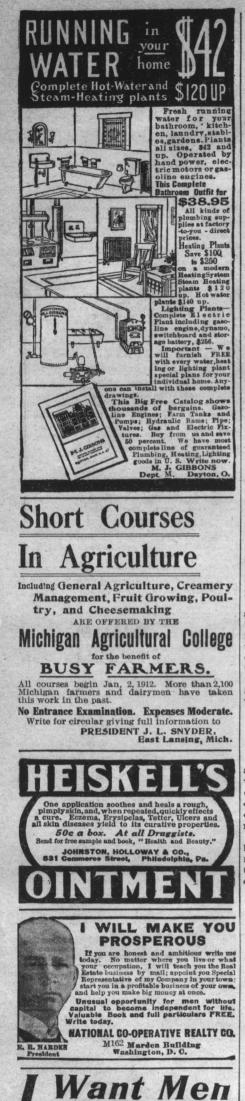
she hastily seized the bundle and tore off The little darkey maid came into my the wrapper, revealing a collar of brilliant

All day there was noise from the firing about. Occasionally a big sign swung was awakened from my brief nap by the the most trifling article will send them is really Christmas day," to myself sev-



THE MICHIGAN FARMER, Detroit, Mich.





THE MICHIGAN FARMER.

eral times before I could realize it. My 10 inches wide, 15c; four boards of hard thoughts reverted to the familiar Christ- pine ceiling, 16 feet long, 6 inches wide, up north, and in fancy I season could hear the jingle of sleighbells, the long, 22c; 221/2 feet of 7%, 3-inch band ring of skates upon the ice and feel the moulding, 45c; one yard of green felt snow crackle under my feet as I walked. (double fold), \$1; varnish, 25c; hard oil, With the coming of darkness I had expected the noise would cease but it did 10c; four casters, 15c; total, \$3.44. not, entirely. On the morrow it was resumed again, and while the fervor of the ient desk such as now ornaments my small boy had subsided, he still took delight in celebrating Christmas, and for nearly a week his activities continued in desultory fashion. The holiday feel-ing lasted, too, and most work was suspended for the week. The darkies feel that this is the time for feast and revel, and little work is done until after New Year's. The old-time custom of burning the yule log is seldom seen now, but on some of the old plantations it is still in vogue.

With the mountaineers, or poor mountain whites, as they are called, Christmas is a great time of merrymaking. On Christmas eve, in every little building among the mountains that does service as church and school, a tree is seen sparkling in all its glory of colored candles and strung popcorn. The people gather from far and near and a great time is had. Everyone is sure of a present from the tree. Not only the children, as is our custom, get presents from the tree, but it bears something for every member of the various households, who have come from their humble homes, some in wagons drawn by their trusty mules, for horses are seldom seen in that district; others, more prosperous, have their mules hitched to a shining buggy, and some, not fortunate enough to own a vehicle, come on muleback, and it is not an uncommon sight to see husband and wife sitting firmly on the back of the same mule as the animal plods along the winding mountain paths. Others walk, but, come as they may, they are all there. Bashful swains who wish to give presents to their girls put them upon the tree and thus relieve themselves of the embarrassment of presenting them in person.

Altogether a Christmas spent in the south is delightfully entertaining and one to be remembered, there are many litto northerners, and which the southerners cannot tell why they cling to. It is grandfathers also, and it suits them very well.

MY MODEL WRITING DESK.

BY FLOY SCHOONMAKER, ARMSTRONG. I had been wishing that I might have Christmas joy. desk for my room, so one afternoon I only to find that the plainest, cheapest of oneself. Things that cost effort always not purchase

ever, have made a successful failure of you wish, but go assured in your own

%-inch thick, 87c; one piece, 2x4, 11 feet 15c; shellac, 10c; nails, putty, sandpaper,

If you desire a handsome and convenroom and delights me, procure the above mentioned materials and follow these directions: Rip the piece of 2x4 lengthwise and of it make a strong, firm frame of the above mentioned size; then put a top on the desk from the board of common lumber. Cut the ceiling into desired lengths and with it cover the frame. In the center of the sides, commencing at the bottom, saw a space 20 inches wide and 18 inches high. Arch the space at top so that the center of arch will be four inches from the top of the desk. Put two shelves in each end of the desk. Now, stretch the felt tightly over top of desk, allowing it to extend two inches over the edges, and there securely fasten with small tacks.

Put a band of the moulding-which should be cut in a mitre box-around top and bottom of desk and it will then be ready for the finishing touches. Put on the casters. Carefully countersink every nail head seen on exterior of the desk and fill the holes with putty. After the putty hardens, give the entire desk-top excepted-a thorough sandpapering; when smooth, apply a thin coat of shellac, Allow the shellac to dry, then sandpaper the desk again and it will be ready for the hard oil. When the hard oil is well dried, apply the varnish.

In front of the shelves you may hang curtains of felt, cotton flannel, china silk, or whatever suitable material you may chance to have or choose to purchase.

Sisters, if your husbands or brothers are only "handy" men, and, like Barkis, "willin'," you, too, may have a model writing desk whereon to lay a letter-file.

THE BEST CHRISTMAS.

BY ORIN E. CROOKER,

Even though "Christmas comes but tle ways and customs which seem strange once a year" there is a provoking sameness to it that in time robs the day to some extent of the joy it ought to bring their way of observing the holiday, as to the heart. The stress and strain of their fathers did before them, and their buying and preparing gifts, the candleto the heart. The stress and strain of laden Christmas tree, the visit of Santa Claus-all these cease at last to appeal to us as they did once upon a time. Still, we continue to find satisfaction in making others happy on this day. And in this, of course, lies the real secret of

To revive the spirit of Christmas in visited the furniture stores in our city, one's heart one must give more largely desk I could purchase would take fifteen give more satisfaction to ourselves and dollars out of my pocket, and-well, I did others than things that merely cost money. To really enjoy Christmas set your-That evening, while relating to my self some special tasks to do on this day husband the particulars of my unsatis- that will mean some sacrifice to yourself. factory visits to the stores, I endeavored Visit the "shut-ins" of your acquaintto hide my disappointment. I must, how- ance; take them a bit of Christmas cheer if







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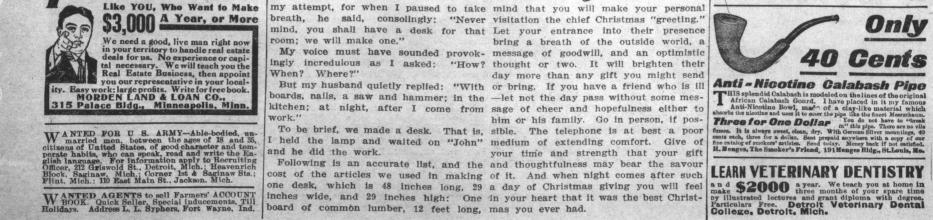
Mayer Yerma Cushion

Shoes give lasting, restful

comfort to tender, aching



MAUR





Let It Really Be The Children's Christmas.

peace and happiness to others.

each the only son in a family of several with red and green candles, to say nothgrownups. ed from all Christmas preparations, not silver balls, stars and similar gewgaws. allowed a peek at the tree beforehand or to help a bit in any preparations. He is look at it and demanded presents. They given a large sum of money to buy presents for the relatives and told exactly tree and it didn't interest them a bit. how to spend it. The tree and the wonderful presents he receives quite stupefy that there was no use doing anything for him, especially as the grownups insist boys who didn't appreciate it. Also they on showing him just how he must play declared "Never again." with every toy. By night he is cross and apparently ungrateful, and is hustled off ent sort of tree. It will be a small one to bed while the parents and uncles and and will stand on the middle of the dinaunts remark on the thankless task of ing-room table. Two boys will string the trying to please children.

everything. He helps trim the tree, saves will make colored tissue paper chains, like up his pennies to buy gifts and picks those described in "Stormy Days for the them out himself. To be sure he buys Little Folks," in this issue of The Farmhis mother a toy moulding board and his father a child's drinking mug, but he has exercised his own powers of choosing of silver paper, and hang on the tree only and he is happy. Instead of being surprised by a magnificent tree, he proudly opens the parlor door and surprises father and mother with the tree he helped to own pennies, and pick out what they trim. He has learned that giving brings happiness far in excess of getting and foolish. Then on Christmas morning they his Christmas is a happy one.

At least one mother read the story the gifts they have prepared. with a guilty qualm. Last Christmas it Perhaps they will not like this sort of was decided in a certain home that there tree any better than the old, but do you would never be another tree, the children not think they will? did not appreciate it. That tree was of Christmas, yes, all the fun of it, in planned and executed by the fond parents. The children were kept out of the kitchen always has been to me, and I believe while the corn was popped and bustled away from the machine while the little netting bags were made. Grandma and them. aunty and mother filled the bags, strung

The current number of a well-known popcorn, wrapped all the parcels, and tied woman's magazine has two sketches all the pretty red ribbons. Father set up which show in a telling manner, why the tree and trimmed it himself while two Christmas is a day of torment and un- miserable small boys were shooed out of happiness to some parents and a time of the room that they might be surprised later. It was a very fine tree, taller The sketches are of two small boys, than father's head and all lighted up One boy is carefully exclud- ing of strings of tinsel, red bells, gilt and But two small boys took one scornful had nothing to do with "making" the Father and mother sighed and declared

This year there is going to be a differcorn themselves and drape it on the tree

The other four-year-old is taken into in a manner to suit their own taste. They er, and deck the tree with these. They will fill the candy bags, and cut stars out presents they have bought for the family and wrapped and tied themselves. They will buy the presents with their want to give, even if it does seem a bit will light the candles themselves and give

> Perhaps they will not like this sort of Isn't half the fun getting ready beforehand? I'm sure it children enjoy the things they do far more than the things that are done for

DEBORAH.

Christmas Decorations For The Home.

By Mary Mason Wright.

at Christmastide. except for a little oversight.

Perhaps holly outranks every other with loops of evergreen, little Christmas Christmas green in popularity for decora- bells being fastened inside of the wreaths, mas tree. Other ways of using the chains will suggest themselves. Articles that tion; but if not obtainable many excel- the white background showing off the children make should not be destroyed. lent substitutes can be found. Wreaths decorations in an effective manner. made out of the live oak, and decorated Red Christmas bells may be hung in A child will soon lose interest in making made out of the live oak, and decorated things that are considered foolish or usewith a few bright bittersweet berries can the doorways and tiny red paper bells less by the grown-ups. scarcely be told from holly wreaths. Then may be strung on red ribbon and stretch-Animal patterns may be obtained for any evergreen decorated with bright ber- ed across the ceiling. Gilt and silver stars a few cents and can be used over and may effect so much desired. It is won-very pretty. If you wish to have your over again. Trace around these on heavy paper, color if desired, and cut out. derful what the woods afford in the way greens look as if touched by Jack Frost box of crayola colored pencils will be found desirable. It costs eight or ten of Christmas greens and reds, especially dip the branches, ropes and whatever if one has had a little forethought and used, in a solution of strong alum water, cents and contains eight pencils-seven gathered them when they retained all or else with thin gum arabic water and their beauty. Pressed ferns and autumn then sprinkle with diamond dust and they colors and black. Common clay pipes for bubble blowing in the light sparkle leaves look pretty pinned against the regular bubblers may be purchased white curtains, or arranged in wall still more wintery effect, after dipping very cheaply and little folks delight to the greens in the gum-arabic water place spend an afternoon blowing bubbles. An spaces. Ropes of evergreen wreathed around fluffy bits of cotton over them, then instructive as well as amusing game pictures, or caught up here and there on sprinkle with diamond dust and you will which little ones love, is sliced animals, To have the effect of branches and greens These are somewhat more expensive and walls always prove effective. make these ropes use thin rope for a covered with snow. The words "Merry come in sets of perhaps a dozen animals foundation, stretching it across the room, Christmas" may be hung in the archway printed in colors on stiff cardboard. They or at least keeping it taut. Cut your ev- or placed over a door. The letters can are cut up in strips which are to be fitergreen into small sprays and arrange be cut out of gilt paper and mounted on ted together to form the different aniaround the rope, fastening it on with fine an evergreen background, or pasteboard mals. wire or coarse black thread. Pretty letters can be covered with fine ever-These are only a few of the many inwreaths can be made by using hoops for green, and these placed on a board that expensive ways of keeping a child both busy and amused. I think we should try foundations, first covering them with has been covered with white cloth and to make the child's occupations instrucgreen cambric or cheesecloth. These surrounded with a border of evergreen. wreaths brightened up with a few bright Charming effects can be obtained on the tive as well as amusing so far as posberries are nice hung in the windows or table without much trouble. A nice idea sible. If it is not possible to purchase hung here and there on the walls and is to suspend an evergreen wreath from material for children to use, there are connected with loops of evergreen. Flat the chandelier or directly over the center many things about the house which we Custom Tanner and Manufacturer, Reading, Michigan

Everyone should put her home in gala wreaths and heavy dark masses are to dress for the holiday season, especially if be avoided unless they are intended for there are children in the family. It not a background for something lighter, such only adds to the Christmas spirit, but as flowers. If the walls are white or it furnishes pleasant memory pictures for some light color the branches, ropes and them to carry out in the world with them wreaths of evergreen will show off to -memories of the priceless joys of home much better advantage. In one home The children will be where the walls were papered in dark glad to help with the trimming of the green they made a frieze by stretching house and decoration of table, and if old white cheesecloth about 18 inches below enough will take this part of the Christ- the picture molding all around the room. mas preparations entirely off your hands Wreaths were suspended at intervals along the picture molding, and connected

of the table by means of evergreen ropes then fasten all around this hoop, by means of red ribbon, little red Christmas bells. Have at each plate a tiny bell. pretty, deep red basket filled with ferns and trailing vines gives the Christmas colors and makes quite a pretty, yet effective, table decoration, or a fancy green basket filled with red fruit. A wreath of holly can be used for a centerpiece, with a Santa Claus in the center of it with a pack of toys on his shoulders. Clusters of holly can be gracefully strewn over the cloth. Use red candles on the table, practicable. A little Christmas tree placed in the center of the table and decorated with tinsel, gilt stars and tiny toys is nice. Always remember that the decorations need not be elaborate to be Decorations arranged with effective. simplicity and in an artistic manner will usually be most pleasing.

STORMY DAYS WITH THE LITTLE FOLKS.

Rainy or stormy days may be made most interesting for the little tots in the house, with little or no expense and a very little time and some forethought on the part of the mother. First let me mention a few simple and inexpensive articles to be purchased at any school There are several kinds supply house. of modeling clay that cost but little and. even a four-year-old can produce fairly good reproductions of his pets and many articles he sees in his home-the cat, the bird, or dog. Dishes of clay, or flower pots may be suggested and a whole afternoon will be occupied with very little direction or attention from the mother. Always have on hand a pot of paste and several small brushes. Yes, anything that calls for paste makes a mess, but give them the kitchen table with newspapers spread over it and the mess is easily cleared away. I have found that a brush and a dish of paste possess great fascination and possibilities for a child. Now for some uses of the paste. Of course, there is the scrapbook in which pictures are pasted, these having been previously cut out with blunt scissors if the small boy or girl is able to handle these. The colored paper chains afford amuse-

ment for hours at a time in making. The colored stripes already gummed may be purchased from school supply houses but a much less expensive plan is to go to your local printing office and ask for remnants of bright colored papers. These cost about four cents a pound and ten cents worth will make material for a long These pieces must be cut in strips time. an inch wide and about six inches long to form chain links and must be pasted together. Let the children hang these in rows across the windows of their own room or use them for decorating a Christ-



DEC. 16, 1911.

now. Don't minute you c chair, bookc can't afford to you to pay; values will grade, ices. k this from

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at all. A basket of clothespins furnishes If not, I did not always do it. material for houses, barns, etc., and a I laid the men's colored shir whole village or collection of farm buildings may be constructed by the young did not make any excuses about things carpenters.

shallow tin or box where they may be would not change their day shirts when spread out and give the little ones each a blunt needle threaded with a stout thread, and let them string buttons, all more strength than work. black ones on one string and all white ones on another, or alternately. String- choice if you buy your bread, etc., and ing popcorn is another favorite pastime use an oilcloth on the table and wipe the and if it is near Christmas time these dishes or drain them and spend your popcorn strings may be saved to drape time reading a book, or if you make but-the children's tree. Save up your fashion ter or sell your cream. Just be sensible; sheets and illustrated papers and maga- don't overwork; cut off the unnecessary zines and let the boys and girls color the things until you can do your work easily pictures

especially if she live in the country, to do. You can't do everything, so make should take some good teachers' maga- a choice.-M. E. B. M. zine. Get a list of these magazines from the principal of your high school and send for a sample copy of each. You can then choose the one best fitted to your needs. In these magazines may be found excellent material for use in the house as well as school and kindergarten, also much good reading on child culture and training.

ALBERTA.

LETTER BOX.

Dear Deborah:-You are quite on the do they stack successfully. true side about table manners for chil-I have been a reader of the Michdren. igan Farmer for many years and take pecially to these covers. great interest in your letters to us. Here is the history of a family from real life, and you will see if they can drop off accompany such rods. Underneath this

as easily as the mothers think. In my father's family there were nine children, six boys and three girls, all fairly well educated, some teaching school, some music, both vocal and instrumental, all hearty, big, and had good appetites. Now you can just imagine six sturdy young men at the table. They were never corrected by their mother, their father was dead, at all, and you could hear them smack their lips and crunch their dinners, all over the house. If they took food out of a dish they threw the spoon back in, and if they took out butter they just chopped off a slice, the Michigan Farmer office at the prices one chopping so hard one day when they had company that he broke his mother's butter dish.

That was 50 years ago. Today they are scattered in different parts of the globe, all have large families and fine wives, but they eat just as they did when young, for I have visited with them all for days at a time. But their children were put to such shame with their father's eating and table manners that most of them have refined manners and are very nice at the table, being told by mother that if they didn't begin young they would eat like "Pa."

Although I have seen some of my uncles try to do better they would get so nervous they would just drop things. funny thing about them is that if they wish more drink, water, tea or coffee, they don't speak but just manage in some way to choke to attract the maid. This always brings a smile to the diners. And now I want to say, if they eat naturally why don't we children, or the grandchildren, all eat so, of whom there are over a hundred? Not a dozen eat as they do. -M. A. L.

Saving Time.

The art of making work bend to suit the strength and time lies within the reach of all women for it is just a matter of choice in regard to what you will do and the way you will do it. But I had to learn this through the hard school of experience. I was suddenly brought face to face with the problem of taking care of an invalid and doing the work for an exacting family. The spoiling of this family by too much waiting on was what brought

can use to amuse them with no expense the health and happiness of the family?

I laid the men's colored shirts on their beds at night for them to put on and I and I did not worry, but tried to "fight Empty the button box into a large fire with fire," as it were. If the men they retired I put colored sheets on their beds, but I did not scold; scolding takes

Just keep in mind it is a matter of and have a little time for other things. I think every mother of young children, I find time to do just about what I want

A PLACE FOR TIN COVERS.

BY ELLA E. ROCKWOOD. Every housewife knows what an unsatisfactory utensil to arrange in a cupboard is the useful tin cover. Yet a supply of these in assorted sizes is a needful adjunct of the kitchen. If placed on a shelf with other tinware it necessitates shifting all over to find the particular one required. They are not made for hanging from a nail or hook, neither

In one kitchen this problem has been solved by making a rack devoted es-

An extension curtain rod is fastened to the wall by the long brass hooks which a few inches a strip of wood about an inch square is nailed against the wall. The covers are slipped behind the rod with the lower edges resting on the strip of wood. Here they are held in a convenient position for use when needed and any particular one can be selected at a glance. Some place near the cooking range can be found in most kitchens where the covers can be reached without waste of steps.

MICHIGAN FARMER PATTERNS.

These patterns may be obtained from named. Be sure to give pattern number and the size wanted.



No. 5434, Girls' Empire Coat. Cut in sizes 4, 6, 8, 10 and 12 years. Age 8 quires 21/4 yards of 44-inch material; 21/2 yards of braid. Price, 10 cents. No. 5382, Ladies' Shirt Waist. Cut in

6 sizes, 32 to 42 inches bust measure. Size 36 requires 31% yards of 27-inch material. Price, 10 cents.

THE MICHIGAN FARMER.

Uneeda Biscuit In Select Company It's the very nature of a soda cracker to absorb moisture and foreign odors. That's why the ordinary soda cracker remained so long in obscurity. The advent of Uneeda Biscuit and the moistureproof and odor-repelling package changed all this-for Uneeda Biscuit, the perfect soda cracker, keeps select company —its own. To-day the goodness, the freshness and body-building virtues of Uneeda Biscuit are acclaimed in tenement and mansion. Never Sold in Bulk In the moisture-proof package NATIONAL BISCUIT COMPANY ear 21 your louse Boilers and Radiators IIII Don't wait for your new house; make your old house comfortable! Put in a modern steam or hot water equip-

ment. Give your coldest, most exposed rooms a 70° temperature with far less attention and no more fuel than your stoves require. You can do it with Pierce Boilers and Radiators.

You can do it now, without disturbing



should send for and read our **Heat Primer**

It is a non-technical talk on house heating. It ex-plains in simple language how Steam heats, how Hot Water heats, and the difference between the two. It shows the way to get enough heat; clean and healthful heat. at a low cost. Send for it today.



(17) 541

the mother to invalidism

I started in as my mother had left off and in five or six months I had reduced myself to a mere skeleton, a shadow of my former self. Then I got on my think- Skirt. Cut in 5 sizes, 22 to 30 inches ing cap and tried many reforms, but I will tell you only a few that have stayed by me.

First, I rolled the molasses cooky dough into sheets and baked and called it ginger bread. I sponged the bread, let rise once, and mixed into loaves.

I baked beans in three or four small dishes and put in the ice box. I put the white clothes right into the boiler of cold water and soap, let come to a boil, rinsed and blued.

I ironed only what I thought necessary. of same size inside, thus baking between I asked myself often, "Is it necessary for two tins, and it cannot puff up.-Mrs. S.

No. 3541, Misses' Sack Apron. Three sizes, 13, 15 and 17 years. For 15 years it requires 5% yards 27 inches wide. Price 10 cents.

No. 5483, Ladies' Three-piece Tunic waist measure. Size 24 measures 35% yards around lower edge and requires 4 yards of 36-inch material. Price, 10 cents.

No. 5378, Ladies' Tucked Shirt Waist. Cut in 6 sizes, 32 to 42 inches bust measure. Size 36 requires 31% yards of 27-inch material. Price, 10 cents.

When baking piecrust shells for lemon, cream or other pies, put the dough in the tins in the usual way. Set another tin

THE MICHIGAN FARMER.

PRACTICAL SCIENCE.

LIVING MATTER IN THE SOIL.

BY FLOYD W. ROBISON.

The Method of Inoculating the Soil. Agriculture decided upon a plan of send- manifests itself when we attempt to exing cultures through the mail as ordinary plain why it is that this organic matter, bacteriological specimens are sent through the mail, so that farmers might make up a solution or culture media favorable to layer of soil and so abruptly changes at the rapid growth of these small micro- the point which we call the sub-soil, organisms which have been found so valuable in the growing of leguminous crops. As stated before, however, we think perhaps the greatest impetus has been given fungi and mycelium which, no doubt, to this movement by the Canadian gov- springing from the organic matter which ernment in the province of Ontaria, at is perhaps distributed in bunches in the the Ontario Agricultural College. Ed- soil, tends to diffuse throughout the soil wards, of the Ontario station, has for a the organic matter which we find thus so ings. It has long been the custom to number of years been sending to the uniformly distributed. Mushrooms, and remove in so far as possible, from the Canadian farmers throughout Ontario fungi of like nature, reproduce them- milk the visible dirt, but the visible dirt cultures of bacteria for the inoculation of selves by means of a spawn, or fine net- in milk is simply an indication as to the their soils.

take some soil from a field which is well all depend upon an abundant supply of infected with these various micro-or- air and this consequently would necessiganisms and stir the seed, to be used, tate in most instances their being found thoroughly in this solution from the earth near the surface. Probably, however, the from this thoroughly infected field, and greatest agency in promoting the uniform then subsequently planting the seed thus distribution of humus in the soil is by product which originally contaminated treated in the new field. Another system means of earthworms and other animal is to spread the cultures broadcast over the surface of the field to be infected. It other forms of earthworms actually feed very necessary that the bacteria seems should be present during the early stages of the growth of the plant so that it may affix itself to the rootlet when that rootlet is still young and tender. We have stated that in our opinion the difficulty with the growing of alfalfa in this state heretofore has been that our Michigan by these earthworms in the soil. It is soils have not been infected, or inoculated, with the micro-organism which is agencies in the soil is evidence of an especially adapted to the growing of the active, healthy soil, and is an indicator alfalfa plant. A very interesting and worth taking into consideration in study-favorable point in connection with the ing the soil. Not only do the earthworms adaptation of the micro-organism to the in plant is that after a time the organism available for crop production by dissolvwhich seems to be most effective upon one ing the insoluble portions of the soil, but species of plant will in time adapt itself they also contribute greatly to the uni-to a new host. This may explain why formity in the humus content of the soil. alfalfa and other leguminous crops will finally grow successfully even though in- as saying that the earthworm practically oculating experiments have not been actually carried on. It has taken a number of years to convince the farmers of the state that alfalfa can be successfully grown in this state and there are gion. He states that certain larger animany instances now which estify mutely to the exceedingly great value of this forage crop, especially where stock farming is practiced to any considerable extent.

We should expect, then, that favorable results would be observed in the growing of any new leguminous crop in any field which is already inoculated with the micro-organisms which work most advantageously on that crop. At the same time, if the soil is already inoculated it would be an entire waste of money and of time to re-inoculate that soil with a culture from any other source and, like- matter is a soil that will take many years wise, we need not expect any increase in the yield due to this second inoculation. In the growing of leguminous crops it is therefore quite desirable to ascertain apply artificial manures persistently for first of all, before any specific treatment a number of years, it will be a considis resorted to, whether the field is inoculated with the desired micro-organisms.

the influence of these micro-organisms be regularly practiced from year to year, which affix themselves to the roots of the not that we may expect to realize in a leguminous crops has largely passed away and we are now getting down to a realization of the net value of these microorganisms to the plant. In agricultural which has been removed in the previous work as well as in any other popular line year's cropping. More particularly still, of work, the first steps in the advance however, it is desirable that such methare usually taken enthusiastically and go ods of cultivation, drainage and cropping far beyond what the actual conditions be carried on that the production of merit. This is in keeping with the un- humus and the spread of organic matter hlicists

cay of roots and the decay of leaves which fall upon the surface as the source of the humus which exists in the upper six inches of the soil. The difficulty, Some few years ago the Department of however, in considering this source also this decaying vegetable matter, is so uniwhich is usually just about a plow depth. An examination of the soil shows it to consist of a ramification of threads of The general method of inoculation is to the whole surface soil. These materials agencies. The common angle worm and through the soil they swallow considerable quantities of the soil and digest for their sustenance the particles of organic matter which these soils may contain. Certain scientists have attempted to estimate the value of the offices carried on certain that an abundance of animal feeding upon the soil make it more

> Hilgard quotes Ernest Thompson Seton does not exist in the arid region between the Rocky Mountains and the Pacific Coast, but that they are plentiful both this side and the other side of that remals, such as gophers and other burrowing animals that live a portion of their time above the soil, take the place, to a great extent, of earthworms. These, however, are not compatible with agricultural operations, and it is extremely doubtful if their influence for the general good of the soil is any better or as great as is that of the earthworm.

The influence of living matter in the soil is a very potent one in so far as the fertility of the soil is concerned. The soil that is devoid of humus or organic to bring to a state of high productivity because humus is not an easily manufactured substance and although we may erable period before the normal or most advantageous supply of humus is incorporated in the soil proper. This is why The effect of the sudden exploitation of the addition of artificial manures should single year or to restock the soil in a single year with humus, but that we may return at least the equivalent of that

duction of clean milk is not only a necessity from the standpoint of the customer of the dairyman and not only is 'it a necessity because it becomes the duty of the manufacturer or producer to put upon the market a product of the highest degree of excellence which he can, but the production of clean milk is necessary because it is to the producer an economic necessity.

Milk as secreted in the udder of the healthy cow, we may assume to be clean in fact, it is clean. If it could be marformly distributed through this upper keted in the same condition in which it exists in the udder of the cow, no fault could possibly be found with that product from a sanitary standpoint. It is im possible, however, to market milk in this condition. It becomes more or less contaminated through the agency of filth on the flanks of the cow, on the hands and clothing of the milker, unclean milking utensils and unclean stable surroundwork, of fibres which spread throughout careless methods under which that milk was produced. We would assume that when particles of filth and dirt are seen in the bottom of the pan, or are strained out when the milk is poured onto the strainer, that those particles represent the harmless, insoluble residue of the the milk. The bacteria, and other undesirable parts of this contaminating filth will be found to be fairly soluble in the upon the soil itself, that is, in burrowing milk, and to pass through the strainer with the milk.

Cleanliness is a real economy. Not only are we beginning to recognize as far as marketing is concerned, that clean milk is worth much more as an article of food than unclean milk, but the farmer is beginning to realize that a clean cow is much more apt to be a healthy cow The best way to than an unclean one. keep a cow healthy is to keep her clean. The best way to keep her clean is to clean her from time to time and to keep her surroundings clean, well ventilated and well lighted. When these conditions of cleanliness are fulfilled then the cow is in a very favorable, healthful environ. ment and the diseases which are so common in poorly ventilated, poorly lighted, unclean stables are practically eradicated. Tuberculosis, for example, is one of the most common, most to be dreaded diseases of cows, and yet tuberculosis is a direct result of uncleanliness in the stable.

Having produced milk from a clean cow in a clean way, the second great requisite to keep it cool. For this purpose many dairies are equipped with a cooler, sometimes called an aerator, or sometimes called and aerator and cooler combined. Aeration and cooling cannot be combined simultaneously. In clean milk aeration is not desirable. It is perfectly feasible to take milk which has been directly removed from the udder of the cow and put it into bottles or other closed receptacles and cool it down to a low temperature, to be marketed without aeration. The only possible excuse for the use of an aerator is in removing the marks of uncleanliness in milk. For this reason it has always been the policy of the writer to condemn the aerator. Clean milk does not need aeration. Unclean milk should not be aerated because, by so doing, one of the marks of uncleanliness has been removed and the consumer is misled as to the sanitary condition of that product. At any rate, aeration and cooling cannot take place simultaneously because, when the milk is cooling it is not giving up odors, but is taking up odors, and if it were desirable to aerate the milk the milk should be warmed instead of cooled. to encourage aeration, and then afterwards cooled to a low temperature. We think aeration is undesirable.

Clean milk is a safe milk. Clean milk which we have discu in the s it in this short paper, means healthy milk; milk from healthy cows. Clean

milk costs more to produce but it is eco-



Strong at the Right Places Do you want your arctics to wear? Do you want your arctic to last and not break out at the toe or heel? Beacon Falls Arctics look dif-ferent and are different from others. The IOWA Arctic is one of them. It is just as good as it looks. "Samson" Extension Heels and the Heavy Gum Toe Caps mean better wear. They insure strength at the right places. When you want any kind of a rubber boot or shoe ask your dealer to show you the Beacon Falls—the kind with a Cross on every pair. They are made of fine rubber and are always the best for the money. If your dealer cannot supply you, send us his name and we will see that you are promptly fitted out. An illus-trated booklet, describing Beacon Falls rubber footwear free, if you send your name.

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DEC. 16, 1911.

go on uninterruptedly in the derstanding of a great many may

who realize that to get a truth firmly rooted in the popular mind it is necessary to at times go almost to the point of sensationalism. So, for that reason, if for no other, energetic exploitation of the influence of micro-organisms on the growing of clover and leguminous crops has been justifiable.

There are other forms of living matter in the soil which have a tremendous influence upon soil fertility and ultimately upon plant growth. It is a matter of common observation that the surface soil, or the first six inches of most soils, conuniform distribution of humus. We are that we have begun to give serious con- pure and wholesome accustomed ordinarily to look to the de- sideration to our food supply. The pro-

CLEAN MILK.

The Righteousness of the Demand for Clean Milk.

dairyman to produce it. Costing more, The production and the marketing of such milk must receive a greater price milk has been in the hands of the farmer and the public, we believe, is now ready Very little thought to pay the greater price because the milk from its beginning. has been given to the idea that in pro- is worth more. We are aware of the diffiducing this milk, and in handling it, and culty involved in asking the consumer to in manufacturing it into the various milk pay a higher price for milk and we are products the question of cleanliness and prepared to say, however, that milk may sanitation should be called very vividly cost at retail fourteen cents a quart beto the attention of the dairyman. It is fore it equals the cost of sirloin steak at tains, quite uniformly distributed, organic only in these later years with the in- eighteen cents a pound. But paying such matter in the form of humus. It is not creased attention which has been given a price, the public is entitled to know an easy matter to fully account for this to the problems of sanitation and health with certainty that the milk is clean and

FLOYD W. ROBISON.

Possible Prices

THE MICHIGAN FARMER.

(Continued from page 534). counties and 96 in the upper peninsula. One year ago the per cent was 96 in the state, 95 in the southern counties, 98 in the central counties and 94 in the north-ern counties and upper peninsula. Fall Pasture.—The condition of fall pasture as compared with an average per counties, 85 in the state and southern counties, 85 in the central counties, 90 in the northern counties and 100 in the upper peninsula. — Live Stock.—The condition of live stock throughout the state is 95 for horses, cat-tle and sheep and 96 for swine.

CROP AND MARKET NOTES.

<text><text><text><text>

THE INTERNATIONAL.



Merry Christmas! Here is Big Ben. May he wish you many of them!

Don't waste a minute of this merry day. Have the presents ready Christmas eve. Hang each stocking up. Arrange the pres-ents that won't go inside in little piles around each stocking.

Then, when all have gone to sleep, sneak into each bedroom a jolly-faced Big Ben.

He'll ring the merriest Christ-mas bell you have ever heard and get the family down to see the presents bright and early so the whole day will be yours to fully enjoy. Big Ben is a gift worth the giv-ing, for he is a clock that lasts and

He is not merely an *alarm clock* —he's an efficient timepiece—to

get you up or to tell the time all day—a clock for bedroom, parlor, library or hall.

library or hall. Big Ben stands seven inches tall. He's massive, well poised, triple plated. His face is frank, open, easy to read—his keys large, strong, easy to wind. He calls you every day at any time you say, steadily for ten minutes, or at repeated intervals for fifteen.

for fifteen.

He is sold by jewelers only-the price is \$2.50 anywhere.

If you cannot find him at your jeweler's, a money order sent to his designers, Westclox, La Salle, Illinois, will bring him to you express charges paid.





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Don't put off getting our price lists until you ave the furs and then wonder where you are oing to ship them.

Mail us the Coupon Below--Today

Just the minute you have mailed us your ad-reas you can feel as thousands of shippers all ver this country that now you have forgotten the orry and disappointments of former shipments and can count on square dealing and best prices.

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Sit right down now and mail us this coupon before you forget it, we have many things to tell you.

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(20) 544

GRANGE

Our Motto—"The farmer is of more consequence than the farm, and should be first improved."

STATE GRANGE AT KALAMAZOO.

The work of another annual State Grange meeting will have been concluded when this paper reaches its readers. This meeting, the first session of which is convening as we go to press, promises to be one of unusual interest and importance to the farmers of this state owing to the fact that new questions, 'or old questions in new form, of vital import to agriculture have come into public notice since the last meeting of this body. The action of the delegates with regard to such matters claims attention from all classes, and all readers of this paper may confidently rely upon finding, in the Grange department of succeeding issues, a complete, concise and accurate account of the great meeting being held at Kalamazoo this week.

"A WORD FITLY SPOKEN."

We have had considerable to say in our Granges about "country community building" and "the one improvement" idea. Not long ago I met a western woman who is doing the one through the other. ideals and practices through the one im-

each family is so engrossed in wealth getting that they do not seem to feel the that a Grange could do, but it was deneed of social community life, but it's cided after discussion at one meeting to telling on the farm women, and it is to purchase a bed of regular hospital dehelp them that I am working. We have sign, adjustable frame, woven wire spring organized a little Country Club with the and hair mattress. The selectmen acpurpose of making one improvement at cepted it from the Grange, in the name a time. We meet and have a pleasant of the people of the town, and it is in social time with a program. The editor every sense a free bed, for the use of the of our paper gives me space each issue people of the town who may need it. for a report of our progress. I report every improvement which I can observe. however slight it may be. Sometimes it anyone in need may go for it and use it is no more than that Mr. S, has painted so long as it may be needed, then rehung a gate, or that Mrs. B. has put screens in her windows. I have left my work and driven five or six miles to collect material for these reports of im- constant use since. provements. People are pleased to have their upward efforts noticed by others. been a feature that has furnished much You would be surprised at the changes pleasure for all the people. The Grange which have quietly gone on without a took the lead, in the early spring, by single word being said about the neglect- making a proposition to the local civic places or ugly practices."

down for our Michigan Granges that are and erect a band stand before July 1. trying the "one improvement" plan. The stimulus of appreciation! What wonders Granges have tried the practice which this woman outlined? How many lec-How many stewards? How turers? many of us have persistently fixed the habit of mentioning the improve-ments we have noted in our neighbor's premises, in his fields, in his barnyard, front yard, back yard, or living room? Have we cultivated the habit unwe easily praise the good contribution to playing the grouch generally concerning mendously beneficial to that community. neighborhood and neighbors?

tivities of these widely separated Granges are of interest as illustrations and suggestions to patrons and Granges which hold the interests of the community above mere Grange success.

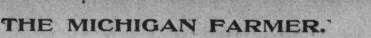
To mark the historic spots in its town was the task which one little county Grange assumed. Suitable stone markers were secured and properly marked and the various historic spots were then hunted out. The members began to get interested in local town history and were amazed to learn how many interesting happenings had occurred in that little The outcome of the interest rural town. aroused by this Grange undertaking was the formation of a local historical society.

One Grange decided, after discussing the subject thoroughly that the village library was far from realizing its possibilities of usefulness. It included a choice lot of good books, but it was poorly housed, the books had no semblance of being catalogued and few people realized how much of value the library contained. The Grange led the way towards having suitable quarters fitted up and the books put in proper shape for convenient hand-A cozy reading room came next, ling. through Grange influence, then an increased town appropriation for library purposes and finally a movement set on foot for a neat library building all by itself. The same Grange energy which enthused the townspeople, led in entertainments for the library's benefit and secured the assistance of former residents That and other sympathetic well-wishers of is, she is building up her community the town. In due time the library building was completed, the books put in provement plan. Let me tell you the proper occupancy therein and the whole story in something of her own words: stands today as a striking memorial to stands today as a striking memorial to "Our people are as yet unorganized; Grange leadership in community benefit.

In one rural town there seemed little It is stored in the fire engine house, which is always open day or night, and there part of his barn, or that Mr. D. has turning it to its storage place. The bed was originally earned by an "experience meeting." It began its career of ministry in June, 1902, and has been in almost

In one town weekly band concerts have league, that if the latter would raise the It was this last thought that caught money for a summer series of band con-my attention and I mentally jotted it certs, the Grange would get the funds The challenge was accepted and the Grange at once got busy by arranging a will it not effect! How many masters of mock trial, of humorous character, which was put on in the town hall. The result was a handsome start towards the fund that later built the band stand-and brought the band concerts.

One Grange, in a small country town, was the means of getting a town improvement movement under way that has proved of incalculable benefit to the place. Realizing that such an undertaktil we naturally commend the good traits ing would be most successful through the of his cows, chickens and children? Do co-operation of all the citizens, the Grange thought best not to go ahead with the Grange dinner that is made by the an improvement project on its own ac-women to whom cooking "comes hard?" count, but instead it chose a committee How often do we think to mention to the which conferred with the churches and shy member our appreciation of her sur- with other local organizations, to secure prisingly fitting response to roll call, or to the formation of a strong civic movecompliment the new member upon his ment for the general improvement of lo-valuable contribution to the discussion? cal conditions. The Grange effort met an Or, on the other hand, have we the habit instantaneous response and the moveof grumbling, complaining, criticizing, and ment thus set under way has proved tre-





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haying the grouch generally concerning mendously beneficial to that community. In the sort good to imite the woman I met is doing is of the constructive sort, the sort good to imite both with the tongue and pen, as being words fitly spoken that are "like apples of gold in pictures of sliver." LENNIE BUELL. THE GRANGE AS A COMMUNITY SERVANT. It is consequence. An eas ern Grange worker has recently familiarized himself with the work of those Granges which have been foremost in striving to accomplish someting which shall be of permanent benefit to their several communities. The ac-



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5.

Freeman.

chairman.

The 19th annual meeting of the Mich-

igan State Association of Farmers' Clubs

convened at the senate chamber of the

capitol building at Lansing on December

morning, the morning hours being devot-

ed to the routine work, payment of dues,

presentation of credentials and the organization of committees. The following list of standing committees was appoint-

State Affairs .-- C. B. Cook, J. N. Mc-Bride, F. G. Bullock, J. D. Leland, F. R.

National Affairs.-A. L. Chandler, Mrs. R. R. Smith, A. B. Cook, F. W. Love.

Temperance.-D. M. Beckwith, Mrs. W. Cheney, C. P. Johnson, Rev. D. Sever-

Honorary Members.-J. T. Daniells,

Club Extension .- B. W. Mattoon, Elmer

Cheeney, R. H. Munro, A. G. Matthews, Hugh C. Whiting, Wm. T. Hill.

Credentials .- Marion Coomer, Ira E.

To Receive and Formulate Resolutions.

The afternoon session was called

promptly at 1:30 p. m., and the program

was carried out intact. The session was opened by music by the students from

the school for the blind, which was much

appreciated, followed by invocation. Next

came the report of the associational sec-retary, Mrs. C. P. Johnson, of Hadley and

Clubs reporting last year, with an aver-

age attendance of 50. Of these, 24 Clubs

use yearly programs, 45 hold annual picnics, 4ⁿ hold Club fairs and 20 hold

of the secretary's report will be published

The pics assigned for the afternoon session, viz.: "Teaching Conservation of

Soils in the Primary Schools," by Mrs.

Edna H. Ives, of Ingham Farmers' Club; "Good Roads," by Hon. Townsend H. Ely,

state highway commissioner, and "De-

fects in our Educational System and its

Remedy," by E. M. Moore, of Wixom

Farmers' Club, were all well presented

and productive of great interest on the

part of the assembled delegates. Refer-

ence will be made to these numbers as

Tuesday Evening Session.

The Tuesday evening session was open-

ed by music from the school for the blind,

followed by an address of welcome by

the delegates in a happy manner and in-

cidentally discussed some public issues,

including reciprocity, which he declared

to be a dead issue, and proposed change

in the state tax laws. He was followed

by Hon. A. B. Cook, of Maple River Club,

who responded to the address of welcome

and touched briefly upon the reciprocity

proposition by stating that in Canada-

chial dependency—this proposition was submitted to a vote of the people, an ex-

ample which he thought our statesmen

might well follow in future years in dis-

posing of questions of such great import.

the president's address by President B.

President Holden's address was an ear-

nest plea for the betterment of rural con-

The closing number of the program was

of Wixom Farmers' Club.

which he referred as a sort of monar-

Chase S. Osborn, who welcomed

space may permit in future issues.

temperance meetings.

in a later issue.

Gov.

Holden,

1

Further details

Col. L. H. lives, E. M. Moore, L. J. Deck-

Kinsman, Mrs. E. H. Cook, Hugh C.

ed by President Holden:

ance, Mrs. Matthews.

Whiting, F. A. Rathbun.

er, Jerry Fahey, E. J. Woodin.

No regular session was held in the

THE MICHIGAN FARMER.

FARMERS' CLUBS THE ASSOCIATIONAL MEETING.

annual meeting of 1904, adopt a resolu-tion asking that September 30, of each year, be designated "Memory Day" and be devoted to improving the condition of the cemeteries throughout the state, and of the graves therein, and which resolu-tion was endorsed also by the State Grange, then in session, and Whereas, At the following session of our state legislature, an act was passed in conformity with the spirit of the above resolution, and which has resulted in an improved condition of the cemeteries throughout our state—this through the creating, thereby, of a better public senti-ment—and which benefits we believe should be extended over this entire land; therefore be it Resolved, By this State Association of

should be extended over this entire land; therefore be it Resolved, By this State Association of Farmers' Clubs of Michigan, that we do hereby most earnestly petition our Na-tional Congress, through the members thereof, from this state of Michigan, to enact that September 30, of each year, be designated "Memory Day" and be devoted to improving the condition of the ceme-teries within these entire United States, and making beautiful with flowers and loving care, the graves therein. Resolved, That we reaffirm our position in favor of the election of United States senators by direct vote of the people. Resolved, That we favor such restric-tion and regulation of trusts, that un-lawful and injurious restraint of trade be effectually prohibited. Be It Resolved, That we do, with all the force at our command, renew our demand for a general parcels post. Recognizing the vast amount of money which is annually appropriated for battle-ship building and harbor improvement, therefore be it Resolved, that we demand that a generous appropriation for the improvement of our public highways be

that a generous appropriation for improvement of our public highways made.

Resolved, That we favor such amendment to the interstate commerce law as will stop the shipping of intoxicating liquors into dry territory. Resolved, That we favor the strength-ening of our conservation laws so that the property of the public be given up only when an equitable consideration has been given

given. It Resolved, That we favor the imbeen Be

The statistical report showed that there were 676 Club meetings held by the Clubs reporting last year, with an aver-

State Affairs.

of a condition of universal peace.
State Affairs.
Whereas, We are a government of the people for the people and by the people, and that this statutory recognition has been made in Michigan by legislative action in the direct primary for governor, leutenant-governor, and other officials, as well as for expressing a preference for United States senators.
Therefore, be it resolved that we favor such additional legislation as will allow the selection of delegates to the national party conventions by direct primary, and that we request the regular party committees to provide such means for expression of choice of delegates in 1912. We further ask that the secretary of the State Association of Farmers' Clubs notify the various party organizations by sending them a copy of this resolution.
Whereas, In the final analysis the government is the people and the citizens of Michigan have for years enjoyed the benefits of an unexcelled school system, Therefore, Be it resolved that we are usualified to exercise the power of direct ensulting and unless soli losses are prevented, lessened fertility and abandoned farms must surely follow. Therefore, we ask for a careful consideration of annual soil depreciation with such due allowance in taxation as will permit a maintenance of fertility as a fair offset against the moreasing land values in cities resulting from the increment of increased population.

increasing land values in critics reserved from the increment of increased popula-tion. Whereas, The sale value of farms is made up. of the two items of soil condi-tion and the labor and management of the farmer, and when so assessed for pur-poses of taxation the farmer is compelled to pay taxes not only upon the soil but an income tax upon his own skill as a manager and toil as a laborer and often upon that of his family as well. There-fore, Be it resolved that in the adjust-ment of the tax laws of this state, that all subjects of taxation be revised up-ward to include reasonable incomes, or that farm values be made to exclude tax-ation upon the individual excess of earn-ing when exerted by the brains and toll of the farmer.

the farmer. Wehreas, The establishment of the Wehreas,

Whereas, The Farmers' Clubs and other Whereas, The Farmers' Clubs and other ' organizations have the machinery for meetings and diffusion of agricultural knowledge, therefore we would ask the superintendent of farmers' institutes to provide state speakers for such meetings, when the traveling expenses would be borne by such organizations. Be it Resolved, That we recognize the necessity of the work as proposed for a commissioner of agriculture being per-formed, but believing that the work can be done more effectively and economically

be done more effectively and economically under the auspices of the State Board of Agriculture, therefore be it resolved, that we hereby petition the legislature to pro-vide the necessary funds to make this work possible.

work possible. Special Resolutions. Resolved, By the Michigan State Asso-ciation of Farmers' Clubs, believing it a good and wise thing to do, that we favor and will undertake to place in each of the schoolrooms in the state in suitable form, the following true words, "It pays always to do right and it never pays to do wrong." This we favor doing, desiring thereby to aid the boys and girls of Mich-igan in becoming noble and true men and women. women.

women. Resolved, That the Michigan State Farmers' Association in session at the capitol, commend and congratulate the Detroit Times and the Detroit Saturday Night, for their unselfish sacrifice in ex-cluding from their columns all rum ad-

(Additional resolutions in next issue) Election of Officers.

Officers were elected at the close of this session as follows: President, J. D. Leland, Corunna; vice-president, Hon. D. M. Morrison, St. Johns; secretary-treasurer, Mrs. C. P. Johson, Metamora; director, to fill out the unexpired term of Hon. Patrick Hankerd, deceased, H. W. Chamberlin, White Lake; directors for six-year term, Wm. T. Hill, Carson City, Jerry Spalding, Belding. Mr. D. M. Beckwith was re-elected to represent the Association on the directorate of the antisaloon league.

(Continued next week).

TO FARMERS' CLUB MEMBERS, AND OTHERS.

It will be remembered that at the annual meeting of the State Association of Farmers' Clubs in 1904, a resolution was adopted, which asked that September 30 be designated "Memory Day" and devot-

ed, each year, to improving the condition of the cemeteries of our state and the graves therein. The State Grange, also then in session at Lansing, endorsed the above resolution, and thus did these two great organizations give force to a sentiment which resulted in an act, by the succeeding legislature, which established September 30 as "Memory Day," with its noble purposes and helpful influences.

Each succeeding year has witnessed increased observance of this appointed day, until, in the metropolis of the state-the beautiful city of Detroit-the daily papers state "Memory Day is widely observed." Thus is the more considerate caring for the graves of our dead being secured, through the observance of this set day, in the autumn time. If such good results thereby come to Michigan, is it not well to seek to extend, beyond her borders, these benefits to her sister states'

An effort will be made, during the present session of congress, to secure an act which shall designate September 30 as "Memory Day" for these entire United States--reunited through the sacrifice of the lives of her brave sons, as witness the many thousands of soldier graves on hill side and in vale. To accomplish this purpose, to secure an act of congress, appeal will be made, primarily, through Senator William Alden Smith, of Michigan, who is expected to introduce the measure in congress. It is the desire of those back of this movement to have the Cash for Raw Furs by getting full wave yourself and save middle man's profits. Wew York is best market and we pay highest prices with the commission house hambug and ship to us di-out the commission house hambug and ship to us di-our the commission house hambug and ship to us diearnest, helpful co-operation of members of Farmers' Clubs and Granges, and others, in this matter. If you will give to this worthy cause your helpful aid by addressing an earnest appeal to Senators William Alden Smith and Charles E. Townsend and, also, to your representative in congress, and do this now, the results can hardly fail of being all that is desired

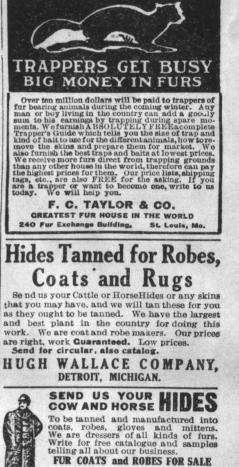
Thousands Now Use This Low-Cost Cough Syrup

Family Supply for 50c, Saving You \$2-A The Quickest, Best Thing You Ever Used, or Money Refunded.

The prompt and positive results given by this inexpensive cough medicine have caused it to be used in more homes in the U. S. and Canada than any other cough remedy. It gives instant relief and will usually wipe out the most obstinate, deep-seated cough inside of 24 hours. It quickly succeeds, even in whooping cough and croup.

seated cough inside of 24 hours. It quickly succeeds, even in whooping cough and croup. A 50 cent bottle of Pinex, when mixed with home-made sugar syrup, makes a full pint—a family supply—of the most pleasant and effective cough remedy that money could buy, at a saving of \$2. Eas-ily prepared in five minutes—full direc-tions in package. Children take Pinex Cough Syrup will-ingly, because it tastes good. It stimu-lates the appetite and is slightly laxative —both excellent features. Splendid for hoarseness, throat tickle, bronchitis, etc., and a prompt, successful remedy for in-ciplent lung wouble. Pinex is a special and highly concen-trated compound of imported Norway White Pine extract and is rich in gualacol and other natural healing pine elements. Simply mix it with sugar syrup or strain-ed honey, in a pint bottle, and it is ready for use. use

for use. Pinex has often been imitated, but nev-er successfully, for nothing else will pro-duce the same results. The genuine is guaranteed to give absolute satisfaction or money refunded. Certificate of guar-antee is wrapped in each package. Your druggist has Pinex or will gladly get it for you. If not, send to The Pinex Co., 232 Main St., Ft. Wayne, Ind.



ditions. He advocated the repeal of the binder twine plant in the Jackson prison reciprocity act and the amendment of our tax laws along lines suggested by the special commission of inquiry and en-twine. Therefore, we commend the use larged upon the benefit of co-operation, under the Rochdale plan. Space will not we commend the tax inquiry commis-nermit the publication of President Hol-sion and when an equitable method of permit the publication of President Holden's address in this issue, but future references will be made to it.

The Wednesday Morning Session.

The early part of this session was devoted to a conference of local Clubs directed by Hon. D. M. Morrison. This was followed by the report of the committees, resolutions being presented and adopted by the Association as follows:

Farmers'

as an economic advance. We commend the tax inquiry commis-sion and when an equitable method of sharing the state's burden has been deter-mined, we pledge our support toward the adoption of such a law. Whereas, Education and morality are the essentials of good citizenship. There is no reason for the exclusion of those so qualified from participation in state qualified from participation in state affairs. Therefore we favor granting the elective franchise to women and men alike with a reasonable educational qualifica-

The act sought will change no present statute, neither will it carry with it an appropriation from the treasury, but it will give practical, nation-wide support to a sentiment which is essential to man's highest good, and which is in danger of being crushed by the present overwhelming and almost universal desire to obtain possession of temporal values, yet which but perish with the using.

Thoughtful public men who have been consulted in this matter, promise their influence and aid, and the co-operation of citizens in general, is earnestly desired. Will you do your part and aid this worees, resolutions being presented and dopted by the Association as follows: National Affairs. Whereas, This State Association of armers' Club of Michigan did, at its Skunk, Mink, Coon a Specialty The highest prices paid for these, and all other furs. No matter how large or small a lot you have. I want you to get wy PRICES. I hold all shipments for approval when requested and tel-pay express charges on all over \$10. Write for prices today to 0. L. SLENKER. East Liberty. Otho O. L. SLENKER. East Liberty, C Ohio NULITE GASOLINE TABLE LAMP A complete 7 ight Plant weighing 7 he. Por table, absolutely safe, 300 CP. Forlliant light 24 cent per hout. Saves 90% of your light bill. AGENTS write for Special Offer on com-systems. Over 20% different styles. Highest Quality. Lowest prices. Exclusive terri-tory for capable town, county and traveling salesmen. 72-page illustrated catalog free. Write to-day. NATIONAL STAMPING & ELECTRIC WORKS, 432 S. Clinton St., CHICAGO, U.S.A.

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546 (22)

MARKETS

DETROIT WHOLESALE MARKETS.

December 13, 1911.

<section-header>

Red.	White.	May.	July.
No. 2	No. 1		Contrati (and
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Friday	.92	.991/2	.94
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Monday	.921/4	.983/4	.94 1/4
Tuesday95	.93	.991/4	.94 3/4
Wednesday95	.93	.991/4	.94 3/4

Wednesday95 .93 .994 .94% Corn.—Corn prices rule about steady with the closing figures of last week. Rains are preventing the delivery. of new corn which is giving the market a stead-ier tone. New corn is grading poorly and there is a tendency to widen the margin between the better and poorer grades. On Monday No. 4 yellow corn showed a de-cline of a half cent, while No. 3 yellow made an advance of one-half cent per bushel. The market is only moderately active. The weather this fall has been so unfavorable as to make much of the new crop unmarketable, which will take from the trade a large block of corn that otherwise would aid the bears. One year ago the price for No. 2 corn was 53c per bu. The visible supply shows an increase of over two million bushels. Quotations are as follows: are as follows:

	No. 3 Corn.	Yellow.
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Monday 12.	.10 12.10	10.50 g
Tuesday 12.	.15 12.15	10.50
Wednesday 12.	.20 12.20	10.50 T
Timothy Road No	two man ottom	have

THE MICHIGAN FARMER.

Provisions.—Family pork, \$17.50@20.50; ness pork, \$16.50; medium clear, \$17@18; ams, 14c; baccon, 12@14½c; pure lard in lerces, 9½c; kettle rendered lard, 10¼c hams, Dairy and Poultry Products.

per 1b.
Dairy and Poultry Products.
Butter.—Creamery butter took a drop of 1c on Monday. High prices have caused consumers to substitute other goods for butter to quite a considerable extent in large cities. Dairy products are steady at former values. Quotations are: Extra creamery, 35c; creamery firsts, 34c; dairy, 21c; packing, 20c per lb.
Eggs.—This product continues firm with the supply inadequate to meet the demand. There is no change in values, current receipts, cases included, being quoted at 32c per doz.
Poultry.—Generally speaking, prices have advanced in most grades of poultry. Turkeys and geese, however, remain about steady. There exists an improved demand, due in part to the season and also to the high prices of other meats which causes attention to be directed to ward poultry products. Quotations are as follows: Live—Turkeys, 16@17c; geese, 11@12c; ducks, 15@16c; young ducks, 15@16c; spring chickens, 11@11½c; No. 2 chickens, 8c per lb; hens, 9@9½c. Dressed -Chickens, 11@12c; turkeys, 16@18c.
Cheese.—Michigan old, 16½@17½c; Michigan, late, 16½@17½c; York state, new, 17@18c; Swiss, domestic block, 17@ 21c; cream brick, 18@19c; limburger, 14@15c.
Veal.—Market steady. Fancy, 10@11c; choice &@0e ner lb. are: esteady at former values. Quotations betweek. The previous week.
 branches, 34c; dairy, 31c; packing, 20c per hs.
 Egge.-This product continues firm of the previous week.
 THE LIVE STOCK MARKETS.
 Buffalo.
 Durity-Generally speaking, prices and the season and also to the high prices of other metasts.
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 Decurby products. Quotations are at high prices of other metasts.
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New York. New York. Butter.—All grades have declined 2@ 4c. Feeling is weak and uncertain. Mar-ket uneasy. Creamery specials are quot-ed at 35c per lb; extras, 34c; firsts, 32@ 3c; seconds, 30@31c. Eggs.—Trade is unsettled after a de-cline of 5c for all offerings. Fresh gath-ered extras, 37@40c; extra firsts, 34@35c; seconds, 22@30c; western gathered whites 33@40e per dozen. Poultry.—Live.—Market firm; chickens have made a good advance but turkeys are lower. Western chickens, 12½@14c; fowls, 13@15c; turkeys, 14@15c. Dressed —Dul, with turkeys lower. Turkeys, 10@ 19c; fowls, 5@16c; western chickens, 15 @16c per lb.

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ried prices up to the figures paid a week earlier, lambs going at \$4@6.25; yearlings at \$4.65.50; wethers at \$3.50@4.10; ewes at \$2@3.60 and bucks at \$2.25@2.75. F.

LIVE STOCK NOTES.

LIVE STOCK NOTES. Ralph Moss, of Indiana, says that the factor of the sevent sees of a decrease in the number of calves produced in that state from 428,000 in 1900 to 184,000 in 1910, while the population of the state has shown an increase of 20 per cent. This decrease in the production of calves is due to a bellef that beef cattle grow-ing is not profitable on high-priced land, but Mr. Moss reports the opposite experi-ence, when farmers carry on good breed-ing, generous feeding and early market-ing, He places great stress upon early marketing, and uses varied feed, includ-ing corn, clover hay, blue-grass, corn stover and oil meal. He always uses sil-age liberally, as well as other rough feed to ris breeding stock. Ray Gardner, of Warren county, west hogs have been shipped out of that region on account of the prevalence of swine plaque, and he adds that there will be a very limited number of brood sows in the spring, so that the pig crop cannot be a very large one. Farmers thereabouts are doing very little cattle feeding, as feed is scarce and dear, hay bringing \$20 per ton, while corn grades poorly, good orn selling at high prices. A great dear, the spring, so that the fig crop cannot be a very large one. Farmers thereabouts afeed is scarce and dear, hay bringing \$20 per ton, while corn grades poorly, good orn selling at high prices. A great dear, the spring as point for that as many in the spring of the prevalence of swine plaque at \$125 per 100 bs. for new and stock fodder was spoiled and cut early. The are ago, being quoted at \$18 per the spring as being quoted at \$18 per the sp

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 edi-tion 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. You may have any edition desired. Subscrib-ers may change from one edition to an-other by dropping us a card to that effect.

DETROIT LIVE STOCK MARKETS.

DETROIT LIVE STOCK MARKETS. Thursday's Market. December 14, 1911. Cattle. Receipts, 1,086. Good grades steady; bulls dull and 10@15c lower; canners steady; other cow stuff 25c lower. We quote: Best steers and heifers, \$6 @6.60; steers and heifers, 1,000 to 1,200, \$4.75@6; do. 800 to 1,000, \$4@5; do. that are fat, 500 to 700, \$3.25@4; choice fat cows, \$4; good do. \$3.25@3.75; common cows, \$2.75@3; canners, \$1.50@2.60; choice heavy bulls, \$3.25@3.50; stock bulls, \$2.50@ \$; choice feeding steers, 800 to 1,000, \$4.25 @4.50; fair do., 800 to 1,000, \$4.25 @4.50; fair do., 800 to 1,000, \$3.75@4; choice stockers, 500 to 700, \$3.83@3.25; stock heifers, \$2.50@3.25; milkers, large, young, medium age, \$40@55; common milkers, \$20@36. Spicer & R. sold Bresnahan 9 canners

Stephens sold Sullivan P. Co. 5 cows d heifers av 840 at \$3.75, 2 canners av 5 at \$2.50.

Adams sold Parker, W. & Co. '3 cows av 916 at \$2.50. Weeks sold same 1 steer weighing 1,160

weeks sold same 1 steer weighing 1,100 at \$6.50. Adams sold Bush 3 feeders av 740 at \$4. Bennett & S. sold Marx 2 steers av 990 at \$5.25, 1 do weighing 900 at \$5. Beiheimer sold Bresnahan 8 cows av 966 at \$2.90. Veal Calves

Veal Calves.

THE MICHIGAN FARMER.

Stephens sold Young 16 sheep av 83 at \$2, 98 lambs av 85 at \$5.75. Adams sold same 34 do av 75 at \$5.65. Weeks Bros. sold Bray 17 lambs av 70 at \$3.50, 138 do av 75 at \$5.75. Newton sold Hammond, S. & Co. 74 lambs av 70 at \$5.50, 9 sheep av 95 at \$2.50

lambs av 70 at \$5.50, 9 sheep av 95 at \$2.50. Roe Com. Co. sold Sullivan P. Co. 84 lambs av 70 at \$5.50, 123 do av 77 at \$5.75, 26 sheep av 80 at \$3; to Nagle P. Co. 31 do av 92 at \$2.50, 19 do av 75 at \$2.75; 16 ar 92 at \$2.50, 19 do av 75 at \$2.75; Haley & M. sold Sullivan P. Co. 14 lambs av 66 at \$5; to Nagle P. Co. 86 do av 60 at \$5.35; to Bray 58 do av 64 at \$4.50, 50 sheep av 75 at \$2.50, 19 do av 80 at \$2.59. Spicer & R. sold Bray 8 lambs av 62 at \$3, 24 do av 70 at \$5.75; to Sullivan P. Co. 8 do av 55 at \$3.50, 39 do av 55 at \$5; to Thompson Bros, 24 sheep av 70 at \$2.50, 30 lambs av 70 at \$5.50; to Sullivan P. Co. 7 sheep av 100 at \$2.50, 17 lambs av 50 at \$3, 100 do av 60 at \$4.75, 58 do av 73 at \$5.90, 72 do av 72 at \$5.90; to Mich. B. Co. 8 sheep av 92 at \$3.25; to Barlage 28 do av 50 at \$4.41 do av 48 at \$3.75, 12 do av 40 at \$3.37. Hogs. Receipts, 4,606. Market steady at Wed-

uo av 40 at \$3.37. Hogs. Receipts, 4,606. Market steady at Wed-nesday's prices. Pigs 25c higher, others 10@15c higher than last week; none sold

10@15c higher than last week; none sold up to nocn. Range of prices: Light to good butch-ers, \$6.10@6.15; pigs, \$5.60@5.75; light yorkers, \$6@6.10. Spicer & R. sold Hammond, S. & Co. 830 av 190 at \$6.15, 150 av 180 at \$6.10, 155 av 160 at \$6. Haley & M. sold same 190 av 210 at \$6.20, 420 av 190 at \$6.15, 130 av 165 at \$6. Roe Com. Co. sold Sullivan P. Co. 275 av 200 at \$6.5, 225 av 180 at \$6.10, 140 av 170 at \$6.5, 60. Bishop, B. & H. sold Parker, W. & Co. 1,520 av 190 at \$6.15, 1,025 av 170 at \$6.10, 157 av 150 at \$6.

Friday's Market. December 8, 1911. Cattle.

Receipts this week, 2,389; last week, 1,416. Good grades steady; all others 15@ 25c lower.

1,410. Good grades steady, all others tog-25c lower. We quote: Best steers and heifers, \$.700, \$5.25 (\$5.50; do. 800 to 1,000, \$4.25(\$5.26); do. that are fat, 500 to 700, \$3.25($\varpi3.75$; choice fat cows, \$4(#4.25; good fat cows, \$3.25(#3.25) \$65; common cows, \$2.75(#3.25); canners, \$1.50(#2.50; choice heavy bulls, \$4(#4.50; fair to good bologna bulls, \$3.50(#3.75; stock bulls, \$2.50(#3.25); choice feeding steers \$00 to 1,000, \$4.50(#5; fair do., 800 to 1,000 \$3.75(#4.25; choice stockers, 500 to 700, \$3.50(#4.25; choice stockers, 500 to 700, \$3.50(#4.25; choice stockers, 500 to 700, \$3.50(#4.25; choice stockers, 500 to 700, \$3.50(#4.55); are common milkers, \$2.50(#3.55); stock heifers, \$2.50(#3.50); milkers, large, young, medium age, \$40(#55; common milkers, \$25(#35). Veal Calves. Receipts this week, 1,209; last week,

Receipts this week, 1,209; last week, 766. Good steady, common 50c@\$1 lower. Best, \$8@8.50; others, \$3.50@7.50.

Sheep and Lamba Receipts this week, 11,768; last week, 4,327. Market, 15@20c lower than Thurs-day on lambs. Sheep steady. Best lambs \$5.50@5.60; fair lambs, \$4.75@5.25; light to common lambs, \$3.50@4.525; yearlings, \$3.25@3.50; fair to good sheep, \$3@3.25; culls and common, \$1.50@2.50.

Hogs. Receipts this week, 14,043; last week, 10,933. Good steady at Thursday's prices; light grades 5c lower and dull. Range of prices: Light to good butch-ers, \$6@6.10; pigs, \$5.25@5.40; light work-ers, \$5.75@6; stags one-third off.

ers, \$5.75@6; stags one-third off. Frank Scott, manager of Clay, Robin-son & Company's South Omaha live stock commission house, says: "Present con-ditions remind one somewhat of the early winter of 1908-1909. There is possibly a greater supply of pigs at hand and corn is around 10c per bushel higher. There was a marked tendency then, as now, to sell hogs at light weight, a desire to cur-tail the board bill. November average cost of hogs on the market was around \$5.75, the December about \$5.45. In Jan-uary the price rose to \$5.90 and there-after until September there was a steady rise until the front figure became \$8. Throughout that winter season light weights predominated and heavy hogs commanded a premium. We look for much the same development this winter. Hogs weighing 250 lbs. and upward, if fat, need selling, but the grower who has the stamina to mature pigs and shotes will, we feel confident, be reasonably well rewarded."





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And not only will the Hercules pull any size stump but any green tree or hedge. I want to tell you about the method of changing the Hercules from a single to double or triple power in a jiffy. I want you to note the double safety ratchets, which insure the safety of you and the team. And best of all I want you to know from facts and figures that I show you, how you can transform forty acres of stumps which yield you nothing into increased value of land and crops, which amount to \$1281.00 the first year and \$750.00 in crops every year after, and I want you to know how some farmers who own Hercules Stump Pullers are doing contract stump pulling for their neighbors and friends at a fine profit and others who are renting their machines at a big price.

I want to tell you the many advantages of Hercules construction-single, double or triple power, low-down construction, self-anchoring, double safety ratchets, accurate machining and turning. I want to show you letters and photographs customer-friends of mine have sent to me, showing what their Hercules is doing and the money it is making.

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Name.





HERCULES MFG. CO.

437 Seventeenth Street - Centerville, Iowa Dear Mr. Fuller: Mail me your free book and special fer. I want to know all the facts price offer. I want to know all the facts about the Hercules All-Steel Triple Power Stump Puller.

W MD VD cleared off more, but could not get the time. I pulled one prize stump that had the largest roots I ever saw on any stump. One root 20 inches at stump, 20 feet long, four inches in diameter at small end, and four more roots that were 12-16 in in diameter at stump. The roots of this stump made half a cord of wood with-os C. Your outfit for pulling stumps has no equal. Five hundred dollars (\$500) is I am using the great Hercules Triple Power Steel Puller. It is a complete and strong machine. We are pulling white pine trees and stumps and they have foots 15 and 18 feet long, and we do not think it can be beat.—W. J. Booches, Bristol, Tenn. I have cleared the stumps off 12 acres this spring, pulled all I hitched to; have not had a break of any kind and did the work with two hands and two mules. If I had had more time, could have equal.

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