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#### FARM NOTES.

### Late Summer Seeding of Clover.

Should the dry weather which has prevailed for so many weeks continue likely to prove a waste of time and only such relief as local showers may bring to favored sections, there will be failures in getting a catch of clover upon Michigan farms, especially der fairly favorable conditions when in spring grain where the nature of the soil or its lack of humus makes it more than ordinarily susceptible to damage from drought. This condition is one which makes the consideration of late summer seeding of clover particularly timely just now. The loss of a clover seeding is a serious matter, and such losses are becoming altogether too frequent upon the average farm. Such a loss not only means the shortening of chance of success. This method of seed- will Paris green. Then there is no the available hay and pasture for next ing can never be called reliable, and danger of burning the foliage if a good season, but it means a greater, though less generally appreciated loss in the maintenance of soil fertility. Generally it means a further cropping of fields that are already sadly in need of renovation, which can be best and most cheaply effected through the medium of the clover crop, and a consequent further depletion of the available soil fertility in them. But probably a worse loss than this results from the further depletion of humus or vegetable matter in the soil, since the mechanical condi-tion of the soil is an important factor in its fertility. Hence, in the event of the total or partial loss of a clover seeding in the grain crop, it is desirable to at least consider the advisability of the late seeding of clover to offset this loss if possible.

In this connection the first question to be decided is where this late seeding should be done. Obviously the most desirable place to do it is right in the fields where the seeding has failed, since this would the better maintain the regular crop rotation and afford a maximum of profit all around. If there are good rains which thoroughly wet up the soil after harvest the stubbles may be disked over or plowed and fitted, and the clover sown with a cover crop of some kind as early in August as conditions warrant, with a fair prospect of getting a successful seeding. Various methods are used to this end by farmers in dif-Various methods ferent sections of the state. Some sow oats with the clover for a cover crop to protect it over winter. Others use buckwheat for the same purpose, and others sow rape with the same object in view. Still others sow the clover with a very thin seeding of rye, and all report success by the use of these various methods when the weather conditions are at all favorable. Compensation seems to be a law of nature in weather conditions as in other things, and when we have an early summer drought it is but reasonable to expect that we will have more than the usual amount of rain in the late summer. Of course this does not follow as a necesrain it may not be sufficiently evenly distributed to give the best results in the growing crops, as has been the case do is to use our best judgment in summer seeding of clover, as well as in other problems of farm management. It would be folly to sow the seed when conditions were not favorable, but if it is to be done at all such opportunities as may come should not be neglected, as the moisture escapes from the soil quickly if it is not conserved by proper tillage, and the soil should be prepared by thorough tilling as soon as possible after a good rain comes if summer seeding is contemplated. Upon the degree of favorable opportunities to do this by thoroughly stirring.

is done will depend in no smal degree make it unnecessary to solve this probthe success or failure of the venture, hence it will pay to do the work well, if at all, as a poor or indifferent job is until after the harvest season, with money. However, while summer seeding of clover is perhaps never a certain success, there are sufficient examples of success to make its trial profitable unreasonably efficient methods are employed.

> it is considered more desirable to try summer seeding in the standing corn than in the stubble fields. In this event the same good "horse" sense should be used in watching for favorable conditions and in doing the work in a manner which will afford the greatest possible

given to the problem at this time will prove profitable if this should not prove to be the case.

### Paris Green Versus Arsenate of Lead.

Which is the best, 1. e., the most effectual and cheapest poison for potato bugs. Paris green or arsenate of lead?
Wayne Co. Subscriber.

Arsenate of lead is rapidly gaining favor as an insecticide for destroying But the conditions may be such that potato bugs, and if the application is made at the right time it is more satisfactory in some respects as well as somewhat cheaper than Paris green. Its advantage lies in the fact that it will stick on the leaves with sufficient tenacity to kill the beetles for a much longer time after the application than

sprayer or barrel. If some of the lead lem in many cases, but a little thought in the bottom has not been mixed, add more water and repeat the operation. If, however, the spraying has been neglected until the bugs have trimmed the vines badly, Paris green will prove the more satisfactory poison, as it is quicker in its action than the arsenate of lead.

Pasturing Alfalfa.

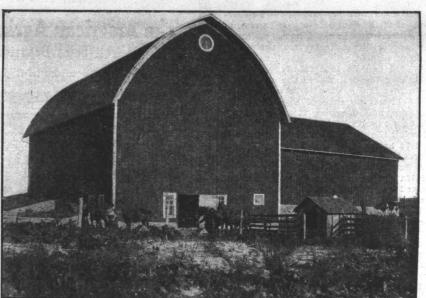
I have a small piece of ground which I sowed to barley last spring and seeded to alfalfa and have got a good crop of barley and a dandy catch of alfalfa; it is a foot high on the average. Now I would like to ask you for some advice. Had I better turn the hogs in when the barley gets ripe or will that be injurious to the alfalfa? Would it be better to cut the barley and keep the hogs out this year? Lapeer Co.

All things considered it would prob-

All things considered, it would probably be better to cut this barley for grain and keep the hogs out of the alfalfa until next spring. Of course if the alfalfa should come on after harvest and make a rank growth, it might be pastured lightly without damage. But this is hardly apt to be the case. The plants have not yet become so deeply rooted that dry weather wil not affect them, and under average summer conditions it would be better to allow them to make a good growth for winter protection. Of course, the weather conditions will materially affect this problem, and in case there are abundant rains the alfalfa could be pastured with less danger of injuring the stand than would be the case if somewhat droughty conditions should continue to prevail for some time after harvest. would not pay to take any chances on injuring the future value of this stand of alfalfa by close pasturing this season, since if the plants are allowed to become well established they will produce valuable forage for the hog pasture for many years.



House and Main Barn on the Farm of G. E. Wilson, of Isabella Co., Mich.



so far this summer, but the best we can still the writer has seen some very good seedings indeed secured in this way. Undoubtedly this is worth a trial where this method of seeding may be made to supply the deficiency in available hay or pasture for the coming season if the conditions should seem to favor the method, and the seeding of the corn fields will not interfere too much with the regular crop rotation. In any event, if summer seeding is contemplated, the seed should be at hand, and we should be watchful in order to make the most

grade of lead is used. It can be used as strong as necessary to do the work. The usual rate of application is eight pounds of the lead to 100 gallons of If the plants are thoroughly heavy and holds moisture well. in which form this poison usually

### Painting Roofs.

I have a lean-to roof on part of my house. This roof was shingled two years ago with good shingles, but in case of long or heavy rains such as we have had the past week it will leak. The shingles are cedar. Will it help this roof to paint it. Some tell me it will; others say it will do harm. I would like some one who has had the same experience to tell me what to do in this case.

Tuscola Co.

C. H. B.

It is a very difficult matter to steen

It is a very difficult matter to stop leaks in a rather flat roof by painting the shingles. If the leaks can be located they might be stopped by the use of tin shingles, but about the most satisfactory way of fixing a roof of this kind is to cover it with a good grade of prepared roofing.

### LILLIE FARMSTEAD NOTES.

All the farmers are complaining about the dry weather. Many of them are scared and apprehend that their crops will be ruined. It is dry, unusually dry for so early in the season, and hot. Well, everyboady knows how hot it is. The records of the weather bureau show that it is the hottest weather that had in lifteen years—that's enough. Personally, however, I do not fear dry weather as much as I do wet weather. The old saying is that dry weather will scare you, but wet weather will drown you. That agrees largely with my experience. This, however, is upon our kind of soil, which is rather A very sprayed with this mixture when the wet season or a very wet spell practi-eggs first hatch, the poison will remain cally puts us out of commission, but if on the leaves until most of the young we are up with our work, with our cul-beetles are hatched and kiled. In mix- tivation, and have done things just ing the required amount of the paste, right, we can stand a long spell of dry weather without serious loss on all culcomes, should be weighed out and mixed tivated crops. Our pasture is, of course, with a gallon or so of water in a pail dry. I have been examining the corn Then pour off lately. The leaves do not roll except of thoroughness with which this work work. Of course, timely rains may slowly through a strainer into the on the very hardest clay places that were too wet earlier in the season. If about the shelter for stock, tools, etc discouraged about this, because I believe some time, these beets will then grow rapidly.

and the ensilage corn, which is put in in view. in drills, after it had been cultivated, was gone over with the weeder, and there is a fine earth mulch over the entire acreage of 65 acres, and the corn is in addition to hay they will unload growing nicely. Just an inch or so of wheat, oats, straw, corn fodder, beans, the earth on top is dry and then you or any coarse material, and take it clean have nice moist earth. Now, in a way, and in fewer drafts. There is no pull-this is a great benefit to us, this dry ing to loosen the sling load from the weather, because it is not necessary to rest of the load as with the fork, and cultivate the corn now. This earth the sling load spreads out better on the mulch prevents the evaporation of mois- mow and is more easily stowed away. ture, and the corn is doing well, while There is less danger with slings also, if we have a shower every day or two, as we seldom hear of accidents happenthe corn ought to be cultivated after ing in using them, while the opposite every shower. This has given us time is the case with the horse fork. Only to do our haying. We cut, raked up and last week a neighbor got both points put in cocks the entire acreage of hay, of a horse fork run through his back. about 38 acres, and we have it practi- In handling hay with the horse fork cally all hauled in, stored without being the draw is from the center and the wet a particle, today, July 9th. That is edges double under unless the drop is early for us. We cut our clover nearer far enough for gravity to straighten that is the whole of it, I think, than we ing faster, while with the slings the ever did before, but we didn't cut it edges roll up and when the load is requite early enough this year. We leased they fall back flat on the mow couldn't get to it. But we will get our just as they lay on the load. This is And now while we have had all the filling the upper part of the mow. force practically in the hay field and The operation of the slings is not dif-doing other work, and haven't had a ficult or hard to understand. We use served the moisture.

apart and planted one whole potato in used in loading, making the load rather a hill. I have the best stand of potanarrow if the bundles are short, every toes I think that I ever had. There is draft will be taken up clean. only occasionally a missing hill. That was where the potato had started to decay and did not have vitality enough to sprout, and the men who planted were not careful enough in the selection of the seed. They look healthy and fine. have seen sweet clover growing We got a chance to harrow the field by the roadside. From its dark both ways with a spike tooth harrow before the potatoes came up. There are no weeds, there is a fine earth mulch and they are doing fine.

While I haven't a splendid crop of wheat this year, because I did not put it in early enough last fall, I have a fair crop. It was all my mistake. I had the ground ready and could have sowed the wheat before Sept. 15, but it was hot and dry and I waited for a rain. It came; I put in the wheat, and after that for the entire fall it was cold and the wheat did not develop as it should. I have held off before for the rain to come and then had splendid results, per acre, and dragging it in. I believe but it was warm weather afterward. I used my best judgment based on past experience, but I made a mistake. But by using his best judgment in emergencies of this kind one will succeed better in the long run than by following a set rule.

COLON C. LILLIE.

### HANDLING GRAIN CROPS.

modern binder for cutting, slings for and, therefore, does a double service. more rapid than in most other lines of there will be no more sweet clover. lack of barn space in some cases, but in falfa and success will be assured. others it is due to negligence or to a be saved by these devices.

interest on the cost of a barn if much job will be done. grain and hay are grown, to say nothing

we had not had too much moisture the The barn should also have a track in last of May and first of June, crops the-ridge for the car which carries the would not suffer on these places now, slings. This should be put in when the but they were so wet that we could barn is being built, before the roof is not properly till. Then it came off so enclosed, as it can be done more convenidry and hot that the clay ground baked, ently at this time, however a track can consequently the corn is suffering. This be placed in an old barn quite easily, is exactly the same condition in my beet and the best time is while the barn is field. The beets on the clay places do filled with hay and grain. If it has an not grow at all, but I am not totally old style frame with timbers in the way a little remodeling will usually allow of that when rain does come, as it must using the track. In a few cases it may some time, these beets will then grow be necessary to hang it beneath cross beams some distance below the roof, but Our corn was all well cultivated early all barns are now built with the track

If the track can not be used the barn can at least be roped for the hay fork, but slings are far ahead of the fork, for,

In handling hay with the horse fork the right stage of development this year, them out by the more heavy center fallentire hay crop of over 100 loads in true as long as a load can be drawn without any of it being wet. In fact, into the mow, while with the fork hay it hasn't rained since we began haying, is badly twisted and rolled together in

chance to cultivate, neither the corn or four sets to a large load, sometimes potatoes or beets have suffered from not three if the material is light. With being cultivated, simply because it our low down wagon the bottom one is hasn't rained during that time and we laid directly on the platform. With an had a fine earth mulch which has pre- ordinary rack it is best to put on a few forkfuls of hay to lay the lower sling This year I followed Brother Wood- on. The rest are hung on the standard man's advice and planted small potatoes in such a way that they can be easily for seed. We sorted out the potatoes spread over the load in loading. We about the size of a hen's egg and above put two layers of bundles between each that would go through the hand planter, set of slings, which makes the load marked the ground both ways 30 inches eight layers high. If a little care is

> S. B. H. Calhoun Co.

### ALFALFA INOCULATION.

In many parts of central Michigan, 1 have seen sweet clover growing wild color and rank growth, I concluded that the nitrogen gathering bacteria were working in abundance upon its roots. This bacteria working upon the sweet clover roots is the same as that which works upon alfalfa, and the neighborhood that has sweet clover growing along the roadside need not send away for inoculating material for their new fields of alfalfa,

A field can be inoculated for alfalfa by taking the soil where the sweet clover grows and sowing it broadcast over the field at the rate of about 200 lbs. allowing the earth from the sweet clover plot to become dry and to drag it in at

A field that needs building up for the alfalfa can be sown to sweet clover and plowed down for alfalfa. Sweet clover seed carries much of its bacteria with itself, but the field should be inoculated for the sweet clover, then when plowed down it will be thoroughly inoculated for The progress in methods of handling the alfalfa. Sweet clover makes a rank the grain crops, from the cradle and growth of stem and leaf and root as stacking and flailing, to the well as inoculating the field for alfalfa,

handling, and large capacity threshers Sweet clover in a bi-annual; that is, carrying their own crew for threshing when it ripens its seed the second year, the grain, which has taken place in little the plant dies root and all. If one plows more than a generation, seems to be down the field before any seed ripens farming. Still there are many farmers believe the field should be limed when who have not made use of the conveni- sown to the sweet clover, and then a ences now on the market for handling top dressing of a good grade of comthe grain crops. This may be due to a mercial fertilizer should be given the al-

All that is necessary to kill the sweet lack of knowledge of the labor that can clover growing along our roadsides is to see that no seeds ripen. Mow the plants Grain farming in Michigan now pre- ripening seeds this year, then there will supposes that the farmer has ample barn be the small plants growing from seeds The saving in waste and in ripened last year to be mown next year labor over stacking outside will pay the to prevent their ripening seeds, and the

Ogemaw Co.

# wheat

is a crop of all nations. The cultivation of wheat antedates history. In China wheat was grown 2700 years before the Christian Era, and was considered a direct gift from Heaven. It was cultivated as early as the Stone Age in Switzerland. One-third of the wheat crop of the world is produced in the United States. . . . . . With good

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there is less chance or risk in growing wheat than almost any other crop. From the time it is sown, a field of wheat is considered a good asset and ample security for a loan, because the crop seldom fails. The time is in sight when the U.S. must use all her wheat crop at home. The demand for wheat to feed the growing population s immense. Wheat is just as good as gold when threshed, but you cannot find gold without digging for it. The farmer should strive to get out of the earth all it can produce. The best farmers work their soil to its fullest productive capacity, because that is the only way to succeed. There is no danger of working the land to death; on the contrary, by using our Fertilizers with the proper cultivation and rotation of crops, intensive farming is conducive to improving the physical condition of the soil and maintaining its fertility.

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SEASON.

The breeding season is over and it is now time to begin to prepare the stallion for a bigger and more successful season next year. With that in view, the owner of a stallion should aim to bring his horse up to the next breeding season in the strongest, healthiest and most vigorous condition possible.

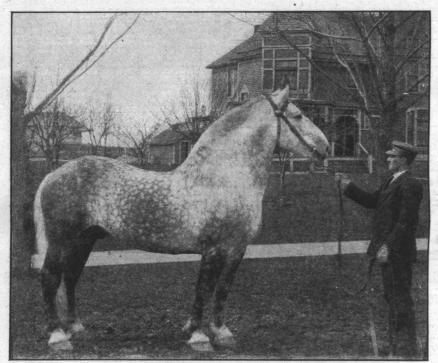
The writer is frank to confess that he does not at present own a stallion, but he has spent considerable time among stallions and in importing stables in nearly every state in the corn belt. The past season he has been working in a breeding stable where there are two or three horses that are such good examples of what not to do with them that he feels somewhat competent to write upon this subject.

Just about half the stallions are practically worthless after they are six or small town. seven years old, and after they have horse and get but a few years of service out of him. The natural life of a horse is twenty years or more. A stallion ought to remain virile almost to the end

Last fall, at the International, when the champion Belgian stallion was sold, the purchaser said, "He is 150 pounds too fat. We will put him to work on our feed wagon at once and get him may be in a knocking mood today, but be that as it may, it is his firm belief that failure to receive exercise is the cause of more injury to stallions than all others combined. Does it seem reasonable that the big, masculine, virile, energetic 2,000-pound, living engine of a horse should be cooped up in a small cage and left to mould? Just as fruit or vegetables mould when not properly cared for, does the nervous system of a horse seem to mould when so cared for. Doesn't it seem as though those big. bulging muscles ought to be drawing the heaviest loads upon the farm? Instead of measuring the size of the limbs with a tape, wouldn't it be better give them an actual test for strength and endurance by putting the horse to a work suited to his size? Instead of into shape for the coming season." The best breeder the writer ever knew was worked every day on the streets of a

One big trouble seems to be that had only two or three years in the stud men regard a stallion very much as a at best. Certainly no one can afford wild beast. This is altogether wrong. to pay \$2,000 or more for an imported The sooner that men come to regard him much the same as a gelding, to be handled firmly, yet without abuse, the better it will be for both horse and

of his natural life. Other animals do, Sometimes, of course, it is not conany anyone can recall instances of stal-venient to work the horse. Then by



A Percheron Stallion of Good Type Owned by W. A. Martin, of Sanilac Co.

lions that were successful sires at a all means give him a big lot, or better considerably advanced age.

The essential factors in caring for the stallion out of season, or during the season, for that matter, are feeding, watering, exercising, stabling and grooming. Most stallions have had at least fairly good care during the season. It is at the close of the season, when the man has been handling the horse is turned off or is put to other work, that the stallion is apt to be most neglected.

In the matter of feeding at this time, sense wil suggest several The first of all is a big reducchanges. tion in the amount of feed. required for a comparatively idle horse wil be only about half what it was when Then the he was doing heavy service. feed ought to be of a lighter nature, more bran and less corn, more oats and no oil meal or other heavy concentrate. The amount of hay will need attention Of course, no one will feed hay that is bad in any respect, but any ordinarily generous-hearted fellow is likely to feed too much hay. A horse that is it is before him. reduces the general tone of the horse, the legs of those breeds that watering one can only repeat what every

The writer may be a "knocker" or discussing whether the small hogs on some horses are injurious or whether

still, a pasture to run in. If the pasture is somewhat rough and rugged, so much the better.

In the matter of stabling, the stallions as a rule have box stalls, which are roomy and are usually kept well cleaned, and in most cases are sufficiently lighted. All this is well and good. The most serious error in stabling is in isolation. A man will go crazy when he is cut off from all human society. So will a horse when he is shut in some out-of-the way place. Of course no one speaks of the horse becoming insane, but after one or two years in such a place they invariably speak of him as an ugly old beast that can best be handled if one does not go inside the stall. The stallion ought to have his box stall in the barn with the farm horses where he can see them. He will not be a nuisance, but will be quiet and orderly and a much better horse for being so treated.

Under the head of grooming, we will of a disposition that is at all active will include cleaninging the body, cleaning eat hay just to be doing something, if the leg feather and caring for the feet. Too much hay in- Not many stallions are suffering from jures the digestive system, crowds the lack of having their coats cleaned, but lungs, heart and other vital organs and few give proper attention to caring for For those reasons the hay needs to be some feather. The main trouble in considerably limited in quantity. As for that regard seems to be that we Yankees were raised among clean-legged one knows about it. That is to give horses. However, it is usually an easy plenty of fresh, clean water frequently. matter with most horses to prevent scratches. Brushing with a stiff brush to keep the long hair thoroughly clean will suffice in some cases. With others others have curby hocks or not, would- that tend to gumminess, an application n't it be better to have the stallion of coal oil and this rubbed out of the on the grain wagon that is hauling the hair with clean sawdust will keep them threshed grain from the threshing ma- in a healthy condition. If scratches chine to the granary?

are started, the application of lard and are started, the application of lard and



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H. E. McCARTNEY. Iowa.

### HAULING HOGS IN HOT WEATHER.

Too bad to see high-priced hogs die from over-heat while being hauled in hot weather. Men who have hogs to market during hot summer months should make preparations for the business in due time. A hog will get hot and die before you hardly think about it.

There is, however, a reasonably safe was going to town and met a neighbor on clover hay. the way to market a large fat hog. He wagon bed without anything about him to keep him cool. The hog was engaged to the buyer on foot, and consequently was not sold when he died. Buyer was it, and it was the last hog the farmer had. It was about night when the hog What was to be done about it? he asked. else I could advise nothing better than to take it back home and render it up for soap making, which was not quite a total loss, but nearly so. He went back home, and I suppose did that, but there remains

Now, I will give the plan I adopted the next time he started to haul any. First, take a wagon with a good tight any more than possible when placed in some sheep? the wagon. Better to have a solid floor with about six inch sides and the balance up straight when they so desire. In haulwagon is very hard on them and causes

These are points which are well worth considering. It is folly to raise hogs, feed them high-priced feeds, get them in good shape, and then let them die on their through lowa and west of the Missouri through lowards a general awakening of

orous condition, the chances are bright for a choice lot of strong lambs. I have found it much easier to get the ewes in the proper condition during the early fall months than at any time later, and it is also true that when once in that condition they are in better shape to go through the winter and withstand the attacks of disease common to sheep, than when allowed to go into winter quarters in a run down condition.

There appears to be some complaint about getting the ewes with lamb when they are allowed the run of a clover pasture, and therefore many think it best to cut and cure the clover for the lambs and provide other pasturage or soiling crops for the breeding ewes. Whether the clover has anything to do with keeping the ewes from getting with lamb, the practice is very good any way, for I have way, and there is also an unsafe way of found nothing to be better for the lambs hauling them. One day last summer I than an ample supply of good, well-cured found nothing to be better for the lambs

My lambs that are to be retained for was just about half way to town and the breeding purposes are not fed much corn, hog had got too hot and died before he as corn tends to fatten them, rather than hardly realized it was suffering. It was to give them the desired growth and delate in the afternoon, too, but the day velopment for breeding purposes. In was very hot, the hog was very fat, and feeding lambs, or in fact any young anithe jolting of the wagon made him get male, I have found it more practical, and too hot. The hog was just lying in the productive of better results, to feed them two or three times a day and in small amounts at a time than to allow them all they will eat at any one time. Bran, cats and oil-meal fed in equal parts by very sorry, of course, but could not handle weight I find in most cases make a better ration and is more satisfactory to supply the needs of growth and development for died, and the man was away from home. breeding purposes, than most anything

Thirty-six pounds of sheep-manure is equal as a fertilizer to 100 pounds of ordinary farm-yard manure, being richer in nitrogenous substances than that of the cow or horse, and ranking in ammonia and richer in the phosphates than the droppings of fowl. Then why will some years ago for hauling hogs in hot farmers neglect to always keep a few weather. I advised this man to try it sheep? Sheep also are very powerful digesters, destroying the vitality of all weed-seed, not like cattle-scattering foul bed and place an inch or two of dirt in seed behind them, while from the food the bottom of the bed and pour water on eaten they get more nutriment than any the dirt until you have a mud. Have the of our other animals. Should not every man water cool, do not have the hogs worried with fifty or more acres of land keep R. B.

A good many farmers who have cows of the body made of slats. Have the top are now aware of what a splendid invest-of rack high enough so they can stand ment of time and money it would have been had they sown a plot of ground to ing, drive slowly, as the jolting of the peas and oats last spring to supplement the pasture that is now getting parched by the extended drought.

Charles Gray, the secretary of the Amrican Aberdeen-Angus Breeders' Asso shape, and then let them die on their way to market. Sometimes, however, men must have an experience themselves before they will realize it as the truth. But be on the lookout, for you may have some dead hogs before you know it.

Another thing can be added that will help. That is a set of good bolster springs under the wagon bed. In fact, no farmer should use a wagon without good springs, and especially are they valuable in hauling live stock and perishable vegetables and fruits.

Illinois.

R. B. RUSHING.

On July 1, Chicago warehouses held 91, 1034,712 lbs. of provisions, compared with 4,866,837 lbs. a month earlier and 123, 182,072 lbs, a year ago. The increasing percentage of heavy hogs marketed help packers to increase their holdings of lard and heavy meats.

sulphur, after thorough cleansing, will usually stop the trouble.

The feet need to be kept clean and free from stall filth to prevent thrush and on general principles of cleanliness. Whenever the feet tend to become hard and brittle, they should be packed with wet clay. Shoes should be reset frequently. Whenever the heel of the foot tends to contract, have just a clip across the toe and about half way back. This will allow the heel to spread to its natural width.

There is another phase upon which many stallion owners are somewhat neglectful; that is in showing at the county fair. Just as a matter of interest in improved live stock every stallion ought to be shown. It is always an advertisement for any horse, whether he wins or not, to have the farmers of the county see him.

For showing at a county fair the horse need not be excessively fat, just in good thrifty condition. The tall should be done up in some form of a neat knot when taken to the ring. It a roll can be put in the mane, so much the better, but this is not necessary, Above all, have him clean. If he is a Shire or Clyde, be particular to have his leg feather in first-class condition. Be sure before fair time that he knows for a cholce lot of strong lambs. I have for a cholce lot of s

SURE CURE for founder or sore contracted hoofs on horse. For 'advice address 935 Lincoln St., Antigo, Wisconsin.

R EGISTERED PERCHERONS For Sale-1 mare Register, M. A. Bray, Okemos Ingham Co., Mich.

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45 SOWS bred to Next in Line, Modifier and Orient—three of Michigan's greatest boars. Write for catalog and arrange to come. WM. WAFFLE, Coldwater, Michigan.

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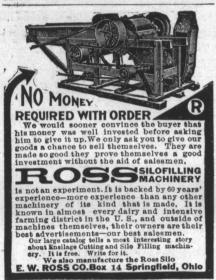
For Sale--500 Fine Yorkshire Weaned Pigs each \$5.00. BROWN'S PIG FARM, Grand Rapids, Mich.

Large Improved English Yorkshires.
The hogs that make good. September gilts bred to farrow next August or September. Spring pigs of either sex. Pairs not akin. Satisfaction guaranteed.
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CONDUCTED BY COLON C. LILLIE.

HOW TO TEST CREAM.

Some little discussion has arisen here concerning the testing of butter-fat in cream, and I would be greatly pleased if you would tell me which tester you consider the standard and best to use in testing cream from a small number of cows. Allegan Co.

The only machine used in testing cream is an ordinary Babook tester. Of course

is an ordinary Babcock tester. Of course, there are different Babcock testers because they are made by different concerns, but they all involve the use of centrifugal force. Formerly we tried to test cream by taking a sample with a pipette the same as you would in taking a sample of milk, but you cannot take a very accurate sample of cream with a pipette, on account of its consistency. It is too thick to run out of the pipette well. Consequently that idea now is entirely done away with and nobody attempts to test cream real accurately unless they weigh the sample to be tested. A sample the same principle as you test milk. We also have now special test bottles for testing cream, one with the neck of large calread as high as 50 per cent of butter-fat course, the neck would not be large with the skim milk, enough to contain all of the butter-fat in eighteen grams of cream, hence the larger bottle. Of course, if one is careful in taking a sample of cream with a pipette when the cream is warm and fresh, he can get within a reasonable fraction of the actual test of cream, but you should have a small pair of balances and weigh the sample. Then any ordinary Babcock tester which you can purchase of any reliable dealer would answer your purpose.

### RAISING CALVES BY HAND.

Of all the calves raised in the country, it is safe to assert that 80 per cent of them are fed instead of being allowed to run with the mothers. Among dairymen it is the universal practice to raise calves by hand. To allow calves to run with the mother is to not only spoil the cow as a heavy milker, but it injures the possibilities of the heifer calf in making a heavy milker when matured.

We sometimes forget that the dairy is an artificial product, and she has been made so by fixing the habits of the system while young. If the heifer calf were to be fed on new milk during the first six months of its life, and allowed to fatten up to look like a calf of the beef breed, the habits of the system would be so fixed that the preinclination of the calf would be largely toward beef production. this reason we are ready to say that it is far better to raise the heifer calves

of the dairy breeds by hand.

When the calf first arrives it is a good plan to let it have the new milk right from the mother for a few days. One can do the way they prefer-milk and feed the calf from the the cow first, or let it take the milk from the cow until the milk is considered good enough to save for use. I have practiced taking the calf away at once for the good of the cow, as she worries less than when the calf is either with her or let to her a few days.

By the time the calf is from ten days to two weeks old, one can begin to substitute skim milk for a part of the new milk given it. Here comes in an opportunity to do some careful and put on. an opportunity to do some careful and accurate figuring. As fast as the new milk is witdrawn, some other feed should be added to take the place of they will heat up and some of them the cream that is taken from the new milk.

Let us save you 825 to 850 on the finest scale made. The ball-hearing principle alone doubles its value—gives freedom of movement that prevents Binding and Clogging. The only scale sold at wholesale price to farmers on SO alone from the only one team, I would not haul the beet to should be added to take the place of they will heat up and some of them spoil on top. If I was hauling beets with only one team, I would not haul the beet tops very slowly because gives freedom of movement that prevents Binding and Clogging. The only scale sold at wholesale price to farmers on SO alone from the finest scale made. The ball-hearing principle alone doubles its value—gives freedom of movement that prevents Binding and Clogging. milk

is about the average kind of milk the would leave them in small piles about the cows will produce. Then we must cal- size of a bushel basket and wait until I milk there is taken away 14 pounds to fill the silo with the beet tops. Then of butter-fat that must be supplied by I would make a business of it and haul other feed. In feeding 25 pounds or them in as fast as I could with the one of butter-fat, and as it takes two pounds this line last season. We filled the silo of grain, such as oatmeal and oil meal full and after it settled some we put on mixed, to equal one pound of fat, we more beet tops. Now, while we left the must calculate accordingly.

oil meal will be required to equal the to spoil.

new milk. Then, when the calf is taking all skim milk, and a little more than six quarts per day, it will require a full pound per day of the grain feed cooked. When the calf gets to be five or six weeks of age and takes from eight to nine quarts per day, it will take a pound and a half of the grain mixture.

It is always best to be cautious and not over-feed, either in quantity of grain or milk used. The majority of cases of diarrhea are brought on by over-feeding the stomach with either milk or grain when young. Better feed a little less of both milk and grain and keep the calf healthy and thriving all the time until old enough to wean.

**Feeding Hay.**By the time a calf is a week or ten days old, it will begin to eat some hay of some kind, it should then be supplied with green cut hay of clover, timothy or As soon as it begins to June grass. eat hay it will begin to chew its cud. As calves are ruminants, supply the forage to meet their natural requirements, as they will not do well without

When one is selling all the milk, and desires to raise calves, they can boil of eighteen grams of cream is weighed up clover or alfalfa hay, and make tea with a delicate pair of balances and then to take the place of the milk. By subit is put into a test bottle and tested on stituting the tea for a part of the milk ration at a time the calves can be gradually worked on to the hay tea and grain ration, and will do as well as ibre and finely graduated so that you can with the skim milk. One advantage with the hay tea is, the calves are less in cream. In the ordinary milk bottle, or hable to get the scours than they are

Another feature in calf raising I desire to emphasize: Calves kept in a shed or stable while young, and fed dry hay, will do much better than when turned to grass. Eating wet grass in the morning or after a rain is likely to produce scours and cause a check in N. A. CLAPP.

#### MIXING OAT STRAW WITH BEET TOPS.

I intend to put up a concrete silo to hold beet tops. We purpose making it 12 ft. in diameter and 35 ft. high. How much oat straw would you put in with the tops, and should the straw be cut? We will have from 15 to 20 acres of tops to put in the silo. As we would only be hauling beets with one team, we would have to put the tops in at different times as the first ones would be spoiled before we could get all the beets hauled. Would that make any difference with their keeping in the silo?

Sanilac Co.

A silo 12 ft in diameter and 25 ft high.

A silo 12 ft. in diameter and 35 ft. high will be none too large to hold the beet tops from 15 to 20 acres if you have a good crop of beets. I built one last year 12 ft. in diameter and 18 ft. high for ten acres and we could not get the tops all in. Of course, 35 ft. high will double the capacity and may possibly hold the tops and give you sufficient capacity to put in

what oat straw you want. Now as to the amount of oat straw. This is a question, of course, that I have not had experience enough to warrant me in saying anything absolute about the proposition. Last fall, in the first place, re put in the oat straw about a foot deep. This was just nicely packed in by leveling it off. Then we put in beet tops about a fort thick and then put on another layer of oat straw and so on until we found that our silo was not large enough to hold the beet tops and then we used less oat straw and finally did not use any toward the top. On feeding out the beet top ensilage we found out that the oat straw in the bottom was all eaten. every particle of it, and the foot of straw which we placed in the bottom was pressed into a very thin layer. Consequently I would say that you could put in twice the depth of straw that you did of beets because the oat straw will pack down so much when the beet tops are

We will assume that 4 per cent milk tops as fast as I hauled the beets but culate that from every 100 pounds of had the beets hauled before I commenced quarts, we must represent a pound heam. I had a little experience along tops to settle they got hot on top and When a calf is eating half skim milk, spoiled there, while if we had continued and is taking a little more than three filling right along, they would have only quarts of milk twice per day, a half spoiled on top. I think you may expect pound of the scalded or cooked oat and at least a foot of the beet tops on top

## Deserve To Be **Laughed At**

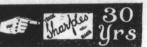
Makers and agents of common cream separators tempt you to laugh at them. They foolishly assume that you are ignorant of modern separator construction when they ask you to believe that their out-of-date cream separators, containing 40 to 60 disks or other parts as bad, are modern. They deserve to be laughed at for trying to hide the facts and for failing to realize that you know, as well as they do, that

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IN ANSWER TO INQUIRIES.

Anemia or Impoverished Blood.

Anemia or Impoverished Blood.

My hens are all dying. They begin aliing by going lame. They then seem to get into a sort of dazed condition and lie about in the shade. Seemingly they are very weak although they continue to eat and drink. Their legs become bloodless and their heads very white. At first I thought it was cholera but their droppings are not watery and yellow as in cholera. The last day or two before death they are not inclined to move at all unless disturbed and their eyes swell and become discolored. Only the hens are affected. Oakland Co.

Your fowls have the symptoms which

Your fowls have the symptoms which go with anemia or general impoverishment of the blood. The lameness would seem to indicate that they also suffer from a form of liver trouble which is rather common among hens at the close of a season of heavy laying, especially if they have been rather closely confined and liberally fed on foods containing an excessive amount of starch, such as corn. Long continued heavy feeding, under such conditions, of a starchy grain raaion, with no effort made to balance it with regular allowances of meat scrap or cut bone, seems to undermine the constitution of the fowl. The hens finish the season fat and sluggish, and lameness, generally on one side only, soon develops. Even at this stage, plenty of green food to the exclusion of all grain, free range and a good tonic will sometimes prevent losses.

In this instance the hens appear to be quirements. generally run down. Make sure that their evident lack of vitality is not due to external parasites. If such pests are found, either upon the bodies of the hens or in their roosting place, they must be gotten rid of as promptly as possible. A good tonic may be made from 10 drops tincture 20 hens. If preferred, that standard tonic which most poultrymen know as Douglass' mixture may be substituted. It consists of 1 lb. sulphate of iron dissolved in 2 gals, of water, to which is added 2 ezs. of sulphuric acid. An ounce of this preparation is put into a quart of the fowls' drinking water, giving it not oftener than twice a week. Give whole some, nutritious food but feed very little grain for a time. Make an effort to induce the hens to exercise, either by giving a portion of their food in litter or by spading up a portion of their run. postmortem examination should show whether the trouble had its beginning in

Chickens for Early Market.

What chicken is the best to raise in the spring for early market and what is the right kind of feed for them after they are six weeks old? Also what kind of white chickens are best for market in the fall?

fall?
Hillsdale Co. When growing fowls expressly for market, many poultrymen prefer cross-breds. For instance, many find that crossing a White Wyandotte on a Light Brahma hen produces a chick which, for broiler raising, is unsurpassed, this cross giving good size and more rapid development than can be secured in the pure-bred specimens of either of these breeds. Others hold that still more rapid development may be had from a cross of the White Leghorn on the White Wyandotte, while others who make broiler raising a specialty get good results from crossing the Brown Leghorn on the Barred Rock. The Leghorn-Rhode Island Red cross has also proven a good one as a producer of rapidquick-maturing market growing and fowls. As rapid, symmetrical development is the greatest essential in successful broiler raising, it may be safely astryman who desires to supply the market less. with well developed chickens instead of but there is no doubt that for early marselect one of the crosses named above, too. providing he has the foundation stock

Just a word of caution, however, reof eggs. It is a generally conceded fact of the cells are destroyed the bees very little trouble with lice on the chicks, that, judging from the standpoint of util- should be shaken off every comb. When —Mrs. P. C. L.

pingtons.

ity, a first cross is superior to a pure- the frames are removed one by one and bred, and this holds true not only in poul- the bees shaken in front of the hive try but among other branches of live many bees will be reshaken, forgotten that this superiority ends with light box with a tight bottom. It is the first cross. Therefore, if cross-bred made of quarter-inch lumber. If one fowls are bred for market purposes the has not such a box, an empty hive will poultryman should see to it that they all do, only it is heavier and not so handy. should any of them be held for breeding all of the frames are removed and set as the second cross will show wide var- into the box. One by one the frames that point to hopeless mongrelization the the queen cells broken off. The frames road is short.

of six weeks, if it is desired to finish them frame on which the one queen cell is for market before they have reached ma- left for a queen to hatch from, for turity the proportion of starchy foods in shaking often injures or even kills the the ration should be gradually increased embryo queens. Brush the bees from and the growth-inducing or muscle-mak- that particular frame with a regular ing foods, such as hard-boiled egg, meat bee brush, or with a goose or turkey scrap, cut bone and skim-milk, dimin- wing. ished. For a time ground oats, with the hulls sifted out, may constitute the bulk swarms is what is known as the Hedof the grain ration. Corn meal may be don short method. Seven or eight days added gradually and may be used quite after the prime swarm has issued the largely during the last few weeks of parent colony is carried to an entirely feeding. Continue a liberal allowance of new location. (The prime swarm must green stuff without giving the chickens have been hived on the old stand and more exercise than is required to keep up an appetite.

As a general proposition, the heavy breeds should prove most satisfactory for fall marketing as they can be made to the prime-swarm hive. This so de-reach considerably greater weights than pletes the parent colony that, generally, the general-purpose breeds. The Brahmas, Cochins and Langshans are the Wisconsin.

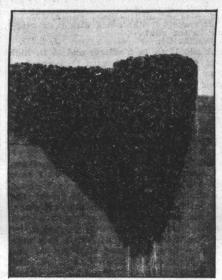
The Brahmas, Cochins and Langshans are the Wisconsin.

F. A. STROHSCHEIN. heavy meat producers. There are no strictly white varieties among these but FEEDING AND HOUSING MOULTING the Light Brahma should meet your re-

### PREVENTING AFTER-SWARMS.

If the prime (first) swarm has issued under normal conditions, the first afterswarm will come forth eight days thereafter, and then an after-swarm every day of chloride of iron mixed with a teaspoon-ful of glycerine and added to a pint of queens, or both, is exhausted. If, howwater, this quantity being sufficient for ever, weather conditions have interfered with the issuing of the prime swarm the first after-swarm may issue in from one to seven days after the prime swarm came forth.

> Italian bees will quite often, especially when crowded for room, swarm before they have any sealed queen cells. Under such conditions the first after-



often alight in very inconvenient places. This one chose a fence post.

swarm will be delayed for as much as sixteen days. In fact, it is then very seldom that, if after-swarms issue at all, the first one will come forth before the sixteenth day after the prime swarm left the hive, but it may happen once in a while. It is important that all this be known by the bee-keeper if sumed that the breeds, or combination of he intends to prevent after-swarms, as breeds, which yield this desirable result is desirable, and also prevent the parent are worthy of the attention of the poul- colony from becoming hopelessly queen- once induces them to go for others, as

There are two ways of preventing broilers. It is as difficult to name the after-swarms. One is to open the hive best breed of fowls as it is to name the from which a swarm has issued, six or best breed of hogs on sheep, or the best seven days after the prime swarm with each other, and always on the make of corn planter or cream separator, came forth, and destroy all the cells move, are not liable to this, so the but one. In this way a surplus of remedy, or rather preventive, is to keep ket fowls one can not do better than to queens is prevented, and after-swarms, the fowls from moping about by giving

Destroying all but one queen cell is for making such a cross. If not, we sug- easier said than done, for if the combs gest using pure-breds of one of the so- are crooked and have nooks and corcalled general-purpose breeds-Rocks, ners some of the queen cells may not hens of body lice before setting them, is Wyandottes, Rhode Island Reds or Or- be found, with the result that an after- to apply warm lard just below the vent, swarm disturbs the bee-keeper's noon where the lice congregate. I also clip any rest, or goes off to the woods, there to garding the raising of cross-bred fowls, store his profit in a hollow tree. If looking after the hens in this way, sevwhether for market or for the production one wants to be sure that all but one eral times during the three weeks, I have

However, it must not be makes them very cross. go to market. Under no circumstances When queen cells are to be destroyed, iations in both size and color and from are shaken in front of the hive and are then set back into the hive. How-After the chicks have reached the age ever, do not shake the bees from the

> The other way of preventing afterthe parent colony set close beside it. entrance facing the same way.) All of the parent colony's flying bees, upon finding their own hive gone, will enter

FOWLS.

As to feed for fowls that are moulting, it must be nourishing without being fattening. Consequently all such foods as corn, or meal, rice, potatoes barley meal and all heating foods should be avoided.

The best ground feed is oatmeal, and the best grain is oats. But oatmeal is too dear and not altogether the best by itself, so we must have something to go with it. A very good soft food is made by mixing oatmeal, bran and small wheat with a little granulated meat. Pour boiling water on this, leaving in the oven over night, and mix the next morning to bring it to a crumbly consistency. Biscuit meal may be oc-casionally substituted for oatmeal for

Oats may be the principal grain, but a little wheat may be occasionally given instead, also hemp seed, which is very valuable in promoting the growth of feathers. Green food is a necessity, so that if the fowls are confined they must have something provided, such as clover, dandelion, lettuce or cabbage, but, of course, those that have their liberty will obtain sufficient green food for themselves.

The houses and pens the fowls are placed in should be scrupulously clean. It is well to have the houses previously lime-washed and disinfected, so that no vermin of any kind will be present. The fowls are especially susceptible to the attacks of vermin during moulting, and if the vermin are allowed to infest them the process is greatly retarded. There should be a dust bath containing a little sulphur in a covered shed attached to the house. This will enable them not only to keep themselves free from vermin, but to shake loose feathers that After-swarms do not settle quickly and irritate them. Pure fresh water should be provided, and a little iron as a tonic may occasionally be added to it. Grit is also necessary, tho they do not seem to use much shell.

Fowls in confinement have a tendency when moulting to pick feathers off each This is due to the fact that when the old feathers begin to drop off the fowls see the vermin, which are usually plentiful about this time, and pick them off. While so doing, they often pull out a new feather, which at The habit these contain much oil. spreads, and in a short time they are all picking at each other. Fowls at liberty, not being brot into close contact with each other, and always on the them something to do.

W. R. GILBERT. Canada.

The best way I have ever used to rid feathers to which nits are clinging. By A Dream of Ease-

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Always mention the Michigan Farmer when writing to advertisers.

INTENSIVE GARDENING.

In a previous article the writer spoke of practicing this plan with peas and early tomatoes. Now the practice is all right under certain conditions, but in many cases we do it to our sorrow and at the expense of one or other of the crops. I had supposed that I was fairly conversant with the growth and habits of peas in general; but my experience in setting tomatoes between pea rows teaches me that I did this at the expense of the former. The variety of peas sown is rated as extra early and so they are under favorable conditions; but contrary to all past experience the vines, instead of being half dwarf in habit, grew to a length of five and six feet. The vines were a veritable swamp and entirely overshadowed the tomatoes and gave very little show for their development. They lived, but their condition at the end of the pea harvest put them entirely out of the race for the early crop. This experience with some like results in the past somewhat weaned me from following intensive methods too promiscuously. The practice may be, and doubtless is, all right to certain limits. The failure in the present case lies chiefly in planting two crops together that each or either would require all the ground so nearly at the In general, I think, double same time. cropping seriously interferes with tillage and lacking this, we are sure to meet disaster before the end of the season. Thorough tillage and just at the right time, means days and often weeks in forwarding a crop. It often means the difference between success and failure in the

Intensive farming means more than double cropping. It means double tillage as well, and then some, and the writer need look no farther than home to see where the lack of tilth just at the right time would have saved much of the pinching of the present drouth, and thus have placed the crops in doubly better condi-tion than they are today. Circumstances over which I had no control are, of course, responsible for the damage; but the mischief has been done and the writer must "pay the fare,"

To sum up, double cropping is well enough, provided the crops are of that kind that the one shall not interfere with the other, either to crowd or make ample tillage impossible.

Wayne Co.

J. E. Morse.

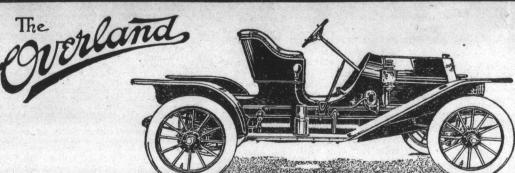
### HARVESTING THE PEARS.

The reason for a great deal of the discouragement with the pear trees comes from ignorance as to the proper method of harvesting the fruit. To have welldeveloped, carefully-pruned trees handing you fruit that is decayed at the core is not a condition that will work to a high pitch the enthusiasm that is in one. Many have had such an experience and it would not be impossible to find that trees have been cut down for no other cause than that the fruit could not be gathered in a condition that would permit its use.

But do not blame the pear tree. Had the fruit been properly handled the damage would be greatly reduced and perhaps altogether prevented. By picking pears when they are yet hard this rotting at the core is overcome, the insipid flavor that is often present is lacking, and instead a delicious flavor that only a good pear can offer is yours. Some of the most successful growers advocate that the fruit be taken from the trees fully a month before the ordinary uninformed person would harvest it. This will give the readers of The Farmer an idea of how far they have been missing the mark if they, in the past, have expected to get good pears by leaving the fruit on the trees till

Under the plan above suggested the Keiffer pear, which has received perhaps quite as much criticism as the Ben Davis apple in the northern states, proves itself not only a variety that will stand up well in shipping, and please the housewife when she is ready to can, but exhibits to the person who would eat one from the hand real good pear quality. Try it on your Keiffers this fall. If you have other varieties that are affected as stated above, do the same with them and then write the Michigan Farmer, telling what the results are. Others who are not convinced by this article may be by your

THE MICHIGAN FARMER.



The 25-horsepower Overland as shown in pic-ture costs \$1,000. The ture costs \$1,000. wheel base is 102 inches. Same car with rumble seat costs \$1,050; with double rumble seat, \$1,075; with complete toy tonneau, \$1,100.

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There are many able men making automobiles, and there are many kinds of pretty good cars.

But one of these cars-the Overland-has come to lead all the rest. In but little more than two years-in spite of all competition-it has become the most popular car in existence.

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### Simple—Economical

The Overland has fewer parts than any other automobile. Many experts have worked on it to remove the complexities -to make the car trouble-proof.

Wherever possible, they made one part to take the place of many. They have made a car which almost cares for it-self. Many a man has run it thousands of miles without even cleaning a spark plug.

They devised the pedal control. One goes forward or backward, fast or slow, by simply pushing pedals. It is so simple, so natural that a child can master the car in ten min-A young woman is now driving one of these cars from the Atlantic to the Pacific.

They have made a car which always keeps going, regardless of roads or weather. A car which has run 28 miles on one gallon of gasoline. A car which has been operated over thousands of miles at a cost of 34 cent per mile.

### Some of Its Users

Overlands have been used for a year and a half in the U. S. Mail service. Their daily trips are from 60 to 75 miles. These cars have never missed a trip-never delayed the mails for a moment. Yet at times they have run when the snow was so deep that all other traffic was stopped.

Numerous large concerns are supplying Overlands to their country salesmen. Among them are the J. I. Case Threshing Machine Co. and the Altman & Taylor Machine Co.

One ranch in Texas has lately bought 15 Overlands for the use of their cowboys. It is found that 15 men in Overlands can do more than 50 men on horses.

The Overland is selected for all of these uses because any man can always keep it going.

### The Greatest Value

No other maker begins to give what the Overland gives for the money. One reason is our enormous production. We often turn out 140 cars per day.

Another reason is our extensive use of modern automatic machinery. Over \$3,000,000 has been invested to make Overland cars economically.

Every part, by some special machine, is made in the most economical way. Many are made at a tenth of the usual cost. Yet they are made with exactness such as hand work never gives.

In these ways and others we have cut the cost of Overlands 20 per cent within the past year alone.

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We are now selling a 25-horsepower Overland for \$1,000. The wheel base is 102 inches, the power is sufficient for any road or hill, the possible speed is 50 miles an hour.

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Potato growers, add 15 cents profit per bushel to this season's crop by using a Farquhar O. K. Elevator Potato Digger. It gets all of the potatoes and in best marketable condition. It saves you hard work and valuable time. Works in any soil. Easy on your horses. Pays for itself on a few acres. You will then have an excellent digger for the rest of your life.

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The Lawrence Pub. Co.,

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### **DETROIT, JULY 23, 1910.**

### 25 CENTS TO NEW SUBSCRIBERS.

We will send the Michigan Farmer to new subscribers to November 1, 1910, inder headings, such as daily egg record, hired help, individual account, cash paid out, cash received, etc., also instructions count book sent postage paid for only 25c, lined knife, worth 75 cents, postage paid, ers of the state. for only \$1.00. Order through agents or send direct to this office.

for only \$1.00. Order through agents or send direct to this office.

CURRENT COMMENT.

The report of the Bank Deposits State Banking Commissions of the state Banking Commission that commercial and savings deposits in the state banks have increased to the amount of \$33,734,383.14 over the amount on deposit June 23, 1999. There are now a total of 335 state banks in Michigan, 13 new banks having been organized under the state law since Jan. 1, 1910. This report is most encouraging evidence of business prosperity in Michigan, particularly in the rural districts, since a large proportion of the fusiness of state banks comes from the farmers of the state. This is also added evidence of the fact, which has been commented upon in these columns from time to time, that added resources in the way of larger bank accounts give producers a greater independence and a relatively increased prosperity for the reason that it enables them to market their crops to the best advantage. The reluctance of wool growers to part with their season's clip at the prices offered by dealers is another striking evidence of this fact and a further proof that the senate committee which investigated the cause of the increased cost of living were right in their conclusion that increased banking facilities and more ready money in the country were prominent causes of the better prices which have prevailed for farm products in received banking facilities and more ready money in the country were prominent causes of the better prices which have prevailed for farm products in received banking facilities and more ready money in the country were prominent causes of the better prices which have prevailed for farm products in received banking facilities and more ready money in the country were prominent causes of the better prices which have prevailed for farm products in received banking facilities and more ready money in the country were prominent causes of the better prices which have prevailed for farm products in received by congress may prove a still f

there benefit in the same direction, and the outcome of the case with the same direction and the outcome of the case with the ca cluding one of our farmers' pocket account ings which have been mentioned in a books of 72 pages, all properly ruled un- previous issue and for which the plans how to keep accounts, also other general pledged give certain promise that this information, and 1910 calendar. The year's State Fair will be more repre-Michigan Farmer to Nov. 1, 1910, and acsentative in character, as well as supe-1911, and a two-bladed, razor steel, brass- the more liberal patronage of the farm-

Detroit yards, Port Huron, Battle Creek and all along the different lines of the system.

The promised strike on the Pennsylvania lines was frustrated when the men and the employes came together on important matters at a conference of representatives of both parties. The agreement affects 15,000 men.

A \$200,000 fire occurred at Whiting, Ind., on Monday, when the grease plant of the Standard Oil Company burned. Guatemala is to be placed on a different monetary basis. The present standard is paper money and is to be changed to either silver or gold.

Five men were killed at the quarry at Nazareth, Pa., Monday, by a premature explosion of dynamite. The men were all foreigners.

Michigan retail lumber dealers who are in session at Detroit this week appointed a conference committee to meet with like delegations from the states of Ohio and Indiana to form a general organization of interested men of the findings of the committee which had in charge the investigation of the Ballinger-Pinchot affair states that the report will contain a majority and a minority issue. The majority report will econericate Secretary Ballinger, while the minority report will declare him guilty of the charges brought.

The official statistics of casualties on the railroads of the country for the past fiscal year shows that 8,722 persons were killed and 96,626 injured on railroad property.

### CROP AND MARKET NOTES.

Eastern Oceana Co., July 12.—Our drouth has at last been broken by copious showers, which have fallen this morning after the hottest weather ever experienced in this part of Michigan. Our hay crop is very light this year, owing to frost in April and May and dry weather in June and July. Early peas which are raised for the canning factory at Hart, were almost a total failure. We are hopeful that the late ones will be saved by this rain. Corn has made a very rapid growth and is now as large as usual at this time of year. Wheat and rye are now ready for harvest and promise a fair crop. Oats very short in straw and head also, owing to the drouth and hot winds. Fat cattle and hogs very scarce and high in price. Hogs, 9c; fowls, 10c; eggs, 17c; butter, 20c. No wool being sold and no inquiry for it.

Lapeer Co., July 16.—The drouth still continues and is beginning to tell on pastures and new seeding. Early potates likely to be a short crop. Farmers have had excellent weather to secure

farmers shipping their cream; corn, 55c; oats, 40c.

Wayne Co., July 18.—The weather has been very hot and dry, but we had a very nice rain July 15. Wheat mostly cut and shocked up well. Haying pretty well along, and a good yield. Oats beginning to ripen, looks as the there would be a fair crop. Corn is fair for the season. Potatoes late and mostly a poor stand, being thin on the ground; butter still stands at 22c per lb; eggs, 18c per doz.

Gratiot Co., July 12.—Extremely dry

Gratiot Co., July 12.—Extremely dry weather has prevailed since early June, and the drouth is beginning to be felt. Corn on lighter soils rolls and early potatoes seem to be little improved since June. The lion's share of the hay crop was secured the week of the Fourth and in good condition, because of the ideal hay weather. The cut was much better than was expected in June. Much wheat will be cut by July 20, and the crop is the heaviest for several years. Beans for the most part made rapid growth, but have had little attention, as the haying came on so soon after planting. Oats have a heavy growth and are well headed, but fear is expressed that the dry weather will prevent their filling. Gratiot Co., July 12.-Extremely dry

The general average condition of crop growth in the United States on July 1, 1910, was about 5.5 per cent lower than on July 1, 1909, 3.8 per cent lower than July 1, 1908, and 3.4 per cent lower than July 1, 1908, and 3.4 per cent lower than the ten-year average condition on July 1, In the New England states conditions are 3.5 per cent better than a year ago and 4.1 per cent above the average. In the Southern estates conditions are about 3.5 per cent better than on July 1 a year ago and 2.4 above the ten-year average; in the North Central states, east of the Mississippi river, conditions are 3.7 per cent below a year ago and 4 per cent below the average; in the North Central states, west of the Mississippi river, 15 per cent lower than a year ago and 12.2 per cent below the average; in the far Western states, 3.6 (Continued on page 67).

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

#### THE AUGUST PROGRAMS.

### State Lecturer's Suggestions for First Meeting.

"How can we accomplish most with the energies and powers at hand? What is worth while?"—Anna R. Brown. Song. Three conundrums, propounded by

Three conundrums, propounded by the Steward, and answered by mem-

bers.

A five-minute story, read or told by The Gatekeeper.

Things that are worth while: 1. The crop that pays me best; 2. The animals that bring me most returns; 3. The hours that I spend most profitably; 4. The things that I do that are most satisfactory.

Select reading, "Which is Better?"
Select reading, "Which is Better?"
Roll call, responded to by each member naming things that have been "worth while" to him.
Fan exhibit, a surprise feature, prepared and conducted by the women.

### MAKING A SUCCESS OF THE OUT-DOOR MEETINGS.

With the approach of the annual rallies and field meetings, Patrons may profitably do a little quiet thinking on how they may most effectually use, for the advancement of the organization in general, the opportunity for good work which these occasions offer. The outdoor Grange meeting has become wonderfully popular in recent years—so much so that it is taxing the ability of the State Grange to furnish the speakers required for these meetings. In his annual address at Traverse City, last winter, State Master Hull showed that this work is drawing heavily upon the funds of State Grange, but he also showed that it has unquestionably been of great value in inspiring weak Granges and indifferent members, in adding to the membership, and in advertising the organization grants. adding to the membership, and in advertising the organization generally.

Master Hull believes that where the most is made of the opportunities offered by these meetings the results seldom fail to justify the expense, and he therefore sought to impress those Granges which ask for aid from the state organization at this time with the fact that they owe it to the Order to make an extra effort to use that ald to the very best advantage. He recommended the short program and light re-freshments as drawing cards, but said is the farmer's most valuable asset. that the greater factor in the success of these meetings is personal invitation. Where a person that we wish to reach is given a hearty invitation to such a meeting, by three or even more memmake a success of such a meeting where the Grange is strong and enthusiastic, cess of such a gathering, can arouse all the enthusiasm that is necessary if they will. Supposing that all the persons who ought to attend such a meeting were invited and urged to come by each of those six. They would naturally conclude that there was enthusiasm there, and there would be.

### THE OLDER POMONA GRANGES.

has established the precedent of filing, nic as was previously planned. in the office of its secretary, data touching the organization of each of the Pomona Granges formed in that state. In gathering data with a view to compiling a brief history of one of the New Hampshire Pomonas, Bro. Geo. R. Drake, of

a brief history of one of the New Hampshire Pomonas, Bro. Geo. R. Drake, of that state, appears to have established the fact that to the state of Illinois belongs the credit of having organized the first Pomona after provision for such organizations had been made by the National Grange. Concerning the results of his investigation, he says:

The county, district or Pomona Granges were not a part of the original Patrons of Husbandry and when, where and by whom the first ones were instituted is shrouded in mystery. Altho the National Grange did not provide plans for the organization of Pomona Granges until the famous session held in Charlestown, S. C., in 1874, yet similar Granges were instituted previous to that time. It is maintained by Chemung Pomona Patrons, of New York, that theirs is "the first Pomona ever organized under the laws of the National Grange," and no evidence has been found to refute the claim, but I have a copy of the records, made more than nine months previously, at the organization of Peoria Co., Illinois, Pomona and, as its number is 33, it is apparent that similar Granges were established in the middle west before the National Grange provided for them and framed laws for their government.

In procuring data for the "History of Eastern N. H. Pomona Grange," the fol-

lowing dates of organization have been furnished by the secretaries of the re-spective Pomona Granges: Peoria Co., Ill., No. 33, organized June 2, 1874

furnished by the secretaries of the respective Pomona Granges:
Peoria Co., Ill., No. 33, organized June 2, 1874.
Chemung Co., N. Y., No. 1, organized March 6, 1875.
New Castle, Del., No. 1, organized May 1, 1875.
Burlington Co., N. J., No. 1, organized May 18, 1875.
Chester and Delaware, Pa., No. 3, organized June 3, 1875.
Berrien Co., Mich., No. 1, organized July 11, 1875.
Androscoggin Co., Me., No. 1, organized Sept. 28, 1875.
Chittenden Co., Vt., No. 1, organized January, 1876.

#### AMONG THE LIVE GRANGES.

Voted an Improvement.—Fairfield Grange, of Lenawee Co., had an attendance of 53 at its meeting on July 9, and put a candidate through the first two degrees. Grange decided to have a new cement walk laid in front of its home.

a new cement walk laid in front of its home.

Charlevoix Granges Keep Up Interest.

The hot weather has had little effect upon Grange attendance in Charlevoix. Ironton Grange has just inaugurated another contest for increasing membership. At its July 5 meeting it had an attendance of 44, and obligated two candidates in the first and second degrees. Maple Grove on the same date had an attendance of 23 and received four new members. After a short but entertaining program a committee was appointed to arrange for the annual picnic. Wilson Grange met July 9 with 25 Patrons present and enjoyed an unusually good program, while Deer Lake Grange received five applications for membership at its meeting on July 2.

### COMING EVENTS.

Pomona Meetings,
Charlevoix Co., with Norwood Grange,
Thursday, Aug. 18.

## FARMERS' CLUBS

Address all communications relative to the organization of new clubs to Mrs. C. P. Johnson, Metamora, Mich.

Associational Motto.-

The skillful hand, with cultured mind,

### NOTICE TO CLUB SECRETARIES.

The state secretary has forwarded annual reports to the different clubs of bers, he is pretty apt to be present. It the state. If any club fails to receive has been said that it is easy enough to their package, please communicate with the secretary. In cases where there was no express office at the postoffice but a band of not more than six mem-bers, who are anxious to make a sucward the 1910 list of officers with addresses. Will they not do so immediately and oblige?—Mrs. C. P. Johnson, Sec.

### CLUB PICNICS.

The Hadley and Elba Farmers' Club, of Lapeer Co. will unite with the Lapeer Co. farmers' picnic on August 18, instead of holding a separate annual pic-

### CLUB DISCUSSIONS

Hold Children's Day Meeting.—The Hadley and Elba farmers held their June meeting at Walnut Ridge, the home of Mr. and Mrs. Wm. Bartenfelder. This was children's day, and the young people furnished a delightful program, consisting of songs, recitations and instrumental music. Prof. J. F. Reiman and family, of Hudson, were present, and contributed several numbers to the program. Mr. Reiman is thoroughly interested in all matters of school and higher education, and we congratulate Hudson in her choice of a Hadley "boy" as superintendent of her city schools. The club voted to dispense with the picnic July 4th and unite with the Lapeer Co. Farmers' Picnic, Aug. 18. The next regular meeting will be at the home of Mr. and Mrs. Frank Smith in September, when we expect Prof. Baker of M. A. C. to tell us how to care for the farm woodlot. This will be a very interesting meetings and a cordial invitation is extended to all to come and share the pleasures and profits of the day.—Mrs. C. P. Johnson, Sec.

Oppose Prize Fight Pictures.—Mr. and Mrs. Frank S. Aldrin, daughter, Miss Anna. and son, Fred, most pleasantly entertained the members of the Burton Farmers' Club, of Shitwassee Co., at their hospitable home, Thursday, July 7. Owing to the absence of the president, C. E. Potter acted as chairman. The club opened with an old song. "O, Come, Come Away," followed by the chaplain, exercises conducted by the chaplain,

Mrs. Hammond. By vote, Mr. and Mrs. John Sherman were reinstated as members of the club. A motion was made and unanimously carried that the Burton Farmers' Club go on record as opposed to the exhibition of pictures of prize fights in our moving picture shows.

to the exhibition of pictures of prize fights in our moving picture shows.

The Best Food for Little Chicks.—
Mrs. Hammond feeds her little chicks bread and milk for two or three weeks, after which she gives them wheat or cracked corn. Mrs. Garber feeds the bread dry and gives them plenty of water to drink for four weeks, then the wheat and cracked corn. Mrs. Giles likes the steel cut oat meal as a feed for little chicks.

Should Our Divorce Laws be More Strict?—One believes if the divorce laws were more strict, fewer couples would get married. Another thinks the home training should be bettered and another believes we should have strict national divorce laws.

The Best Way to Make Hay—"Which is the best way to make hay, the old or the new?" Mr. Aldrin thinks the new way is the cheapest, easiest and quickest, hence the best. The hay is just as good and sells for just as much. A loader and rake will pay for themselves in two years.

Anto Testing on Highways.—"Should

loader and rake will pay for themselves in two years.

Auto Testing on Highways.—"Should the highways be used for testing autos and auto trucks?" A most spirited discussion followed on this question, but all doubt whether the auto or auto truck has any right to plow up the roads and run faster than the law allows when testing their machines on our country roads.

testing their machines on our roads.

The Poultry House.—"If you were to build a new chicken house, which would you build, wood or cement?" Neither Mrs. Garber nor G. C. Potter have had any but wood hen houses and like them very well. Mr. Fauth told of a neighbor's chicken house which is made of cement. It is built very nicely but proves to be unsatisfactory because of the dampness. Mrs. Moulton said that they had small chicken houses built without any floor so they could be moved to any field, and had found them very successful.

they had small chicken houses built without any floor so they could be moved to any field, and had found them very successful.

The Fly Problem.—"How can we keep flies from the house?" Mrs. Hammond says we should keep every door and about the house clean. Mrs. Haff says she has read that flies would never go where there was a hop vine growing. Mrs. Fauth says sweet peas and sweet clover are disagreeable to flies. After Mrs. Fauth had announced the program for the August meeting, the club was adjourned to meet Friday, Aug. 5, with Mr. and Mrs. W. J. Brookins.

Tutrition of Plant Life.—The last meeting of the Maple River Farmers' Club was held at the home of Mr. and Mrs. Wm. Gladden, and it proved a most enjoyable and profitable session. "Nutrition of Plant Life" was the topic assigned to Floyd Reynolds, who evidently gave the topic profound thought and consideration. Plants are very similar to animals. The same food that goes to compound plant structure goes also to build up animal form. The only apparent difference between plants and animals is that the material utilized in structural formation undergoes a different chemical change. Plants have organs that prepare their food for structural purposes the same as animals. There are two sources of plant food supply, the air and the soil. From the air plants obtain oxygen, hydrogen and nitrogen, which undergoes a chemical decomposition before available for plant consumption. From the soil plants obtain oxygen, hydrogen and nitrogen, which undergoes a chemical decomposition before available plant sobtain oxygen, hydrogen and nitrogen, which undergoes a chemical fee month of plant food. The interior of plant food and plants of a manner as to keep within easy reach of plants an abundance of available plant food. The nutrition of plant life, which in reality is the assimilation of plant food, cannot be successfully carried on unless conditions are favorable for chemical reaction to take place. Plants with weak assimilative organs are like people for the middle plant of

development of a plant is the very best index of its health and vigor.

The "White Plague" Problem.—"How to Control and Eradicate the White Plague," was presented in an able paper by Mrs. A. B. Cook. The white plague is a term applied to tuberculosis. In the past few years this disease among the human race has made great progress, and unless strenuous measures are adopted to obliterate and check its spreading, the American people face a deplorable condition. In large cities where the population is congested and unsanitary conditions prevail, tuberculosis is fast getting a foothold. Mrs. Cook spoke of the work that is being done in many of the large cities to eradicate this disease. In New York, Chicago and a large number of other cities homes have been established for consumptives, and are proving very effective in preventing the spread of the disease. She also spoke of the importance of giving more attention to the prevention of tuberculosis. In the early stage of the disease the progress of the germ can be checked, but after the trouble has once got a firm hold, there is no known cure. Open air exercise is one of the effectual means of developing strong, vigorous lungs. Sleeping rooms that are well ventilated and clean are vital to the health of every person.

The Importance of Self-Control.—E. J.

health of every person.

The Importance of Self-Control.—E. J. The Importance of Self-Control.—E. J. Cook spoke on this subject. He believes that there is nothing more essential in the development of character than self-control. One author has said that there are two diseases of the human race that cause undue suffering, and they are inflammatory temper. It is degrading as well as demoralizing to lose control of one's self.

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DETROIT WHOLESALE MARKETS.

July 20, 1910.

Grains and Seeds.

Grains and Seeds.

Wheat.—The whole tendency of the market this past week has been upward. The dry weather was not broken until Monday, when the trade quickly responded to the better conditions and the rapidly advancing market was interrupted with a drop of a cent and a half. Both cash grain and the futures were evenly affected by the conditions. Spring wheat was largely benefited in some of the large producing sections. Farmers continue to sell liberally in the southwest where threshing is in progress. Liverpool is lower, due in part to the American weakness and some to improvement in the Russian crop. Threshing will soon be the order in Michigan where it is expected that a good crop of fine quality will be garnered. The price for No. 2 red wheat on this market a year ago was \$1.35 per bu. Visible supply shows a decrease of less than a million bushels. Quotations for the week are as follows:

No. 2 No. 1

Red. White. Sept. Dec.
Thursday ...107 1.06½ 1.08
Friday ...108½ 1.08½ 1.08¾ 1.10¼
Saturday ...09 1.09 1.09¼ 1.11
Tuesday ...108½ 1.08½ 1.08¾ 1.10¼
Saturday ...109 1.09 1.09¼ 1.11
Tuesday ...108½ 1.08½ 1.07½ 1.091/1
Tuesday ...109½ 1.09½ 1.09 1.11

Corn.—This place has had a firm and quiet corn trade this past week with

Wednesday .1.09½ 1.09½ 1.09 1.11

Corn.—This place has had a firm and quiet corn trade this past week with prices going up steadily. The corn is needing rain and while some few sections were satisfied with good showers many others continue to suffer and the crop appears to be on the decline. The Michigan crop appears to find favor with the weather man and is growing now as well advanced as in normal seasons despite the delay in planting. Little feeding and the supply of other feeds makes the demand for corn small, which causes the quiet market. One year ago we were paying 74c per bushel for No. 3 corn. Quotations for the week are as follows:

No. 2

No. 2

Welcorn.

				No. 2 Mixed.	Yellow.
Thursday				63 1/4	
Saturday					66
min co an or card					
				0117	
Wednesda					
Oats.	The	oat	crop	will soon	be ready

Oats.—The oat crop will soon be ready for the harvester. In Illinois and Indiana harvesting is now well under way and the crop promises to be a good one—the heads being long and the berry well filled. The price is advanced for the week, due largely to the influence of wheat and corn. At this date in 1909 the price for No. 3 oats was 54c. Quotations for the week are:

Standard.	Sept.
Thursday 44	40
Friday 44	401/2
Saturday 45	401/2
Monday 47	401/2
Tuesday 47½	40
Wednesday 471/2	40

Beans.—There is a firm tone to the bean trade. Dealers have seen fit to put up the nominal quotations here to attract the legumes to this market since the outside points have given the trade encouragement by advancing values. The crop appears to be doing well except that in places the ground is so dry that proper growth is not being made. The nominal quotations for the week are as follows:

Cash. Oct.

Cas	
Thursday\$2.22	\$2.05
Friday 2.22	2.05
Saturday 2.27	2.08
Monday 2.27	2.08
Tuesday 2.27	2.08
Wednesday 2.2	
Oleversed Dwy weather	following

Cloverseed.—Dry weather following haying is always damaging to the clover crop, especially to the June seed, and that is the case in many of the sections of this state now. This condition has advanced prices as may be seen from the quotations given below:

quotations given below.	ot. Oct.
Thursday\$7.0	00 \$6.85
Friday 7.0	00 6.85 00 6.85
Saturday 7.0	7.20
Monday	
Tuesday	5 7.25

Rye.—The market is quiet and steady. The nominal quotation is 78c per bu., which is the price of a week ago. Visible Supply of Grain.

										T	ł	his week. Last week.	
Wheat			2	1								.10,834,000 11,613,000	
Corn	ď			7.								. 4,740,000 4,743,000	
Oate				3		1						. 3.549,000 4,001,000	
Rve .									٠			. 318,000 361,000	
Barley	i	i			ŀ							. 1,107,000 1,444,000	
												a totale The	

Flour, Feed, Provisions, Etc. Flour.—The flour trade is strong at the ruling values of a week ago. Quotations are: \$4.60 Clear . \$4.80 Straight . 4.80 Patent Michigan . 5.10

Ordinary Patent ..... Ordinary Patent

Hay and Straw.—All grades steady at last week's figures. Quotations on baled hay in car lots f. o. b. Detroit, are: No. 1 timothy, \$17.50@18; No. 2 timothy, \$15.50@16; clover, mixed, \$15.50@16; rye straw, \$7@7.50; wheat and oat straw, \$6.50@7

per ton.

Feed.—All grades steady with last week.
Carlot prices on track: Bran, \$23 per
ton; coarse middlings, \$24; fine middlings,
\$27; cracked corn, \$27; coarse corn meal,
\$27; corn and oat chop, \$24 per ton.

sheepskins, as to amount of wool. 20@60c.

Dairy and Poultry Products.

Butter.—Values have not changed this past week. There is a good demand and the output is limited by the quality of the pastures which have been damaged by the continued dry weather. Recent rains helped but not sufficient to influence butter prices. The following are the quotations: Extra creamery, 28c; firsts, do, 27c; dairy, 22c; packing stock, 21c per lb.

Eggs.—No changes occurred during the week in the price for eggs. The demand is good and the supply fair. Fresh eggs, case count, cases included, are quoted at 17½c per doz., which is the price of a week ago.

Poultry.—All the grades of poultry rule

week ago.

Poultry.—All the grades of poultry rule about the same as a week ago except in the chicken department where the improved supply is pushing values down. Demand is quiet. Quotations are: Broilers, 19@20c; hens, 14c; old roosters and stags, 12c; ducks, 16c; geese, 11@13c; turkeys, 16@16½c per lb.

Cheese.—Michigan, late made, 15c; Michigan, fall made, 17½@18c; York state, 18@18½c; limburger old, 17@18c; Swiss, domestic block, 23@24c; cream brick, 16@16½c

Calves.—Steady. Choice to fancy, 11@11½c; ordinary, 10½c.

Calves.—Steady. Choice to fancy, 11@ 11½c; ordinary, 10½c.

Fruits and Vegetables.

Apples.—New apples are on the local market. They are not plentiful and are selling at \$4.50@5.50 per hamper.

Cabbage.—Steady. Selling at \$1.25@
1.75 per crate for new.

Currants.—Reds selling here at \$3@3.50

per bu.

Raspberries.—Offerings are in fair supply. Trade active. Reds are quoted at \$3.75@4 per bu. Blacks, \$1.25@1.50 per 16-qt. case.

Blackberries.—Market lower; supply is fair. Selling at \$3@3.50 per bu.

Huckleberries.—Selling at \$4.25 per 24-qt. case.

qt Gooseberries.—Lower. Quoted at \$2@

Gooseberries.—Lower. Quoted at \$2@ 2.50 per bushel.
Cherries.—Hard to get. Now selling at \$3.50@4 per bu. for sour. Sweet, \$4 bu. Vegetables.—Beets, 35c per doz; carrots, 25c per doz; carcucumbers, 60@75c per doz; eggplant, \$1.25@1.50 per doz; green onions, 10@12c per doz; head lettuce, 75@90c per bu; mint, 25c per doz; parsley, 20@25c per doz; radishes, 15c per doz; spinach, 65c per bu; turnips, 40c per doz; watercress, 20@25c per doz; wax beans, \$2 per bu; pieplant, 20c per dozen.

### OTHER MARKETS.

### Grand Rapids.

Grand Rapids.

The berry season is rapidly closing, hastened by the dry, hot weather. Prices on the city market Tuesday morning ranged as follows: Red raspberries, \$1.75 @2; black raspberries, \$1.40@1.60; black-berries, \$2. Cherries are higher, selling for \$4 per bu. Currants are worth \$1.65 @2. The early crop of home-grown potatoes have been hit hard by the hot. dry weather, the few that have been offered being small and inferior. First home-grown summer squash are in market, selling at 8c per lb. Peas are worth \$1.40 per bu., butter beans, \$3. The egg market is a trifle weaker, the price to the country trade being 17@17½c. Creamery butter is steady at 28c, dairy at 22c. Dressed hogs are bringing \$1.04; No. 1 white, \$1.02 per bu. \$1.02 per bu.

### Chicago.

Chicago.

Wheat.—No. 2 red, \$1.09% @1.10%; September, \$1.08%; December, \$1.07%.

Corn.—No. 2 mixed, 62@62½c; September, 60%c; December, 58½c.
Oats.—No. 3 white, 40½@42½c; September, 39½c; December, 40½c.
Butter.—Despite an undertone of weakness last week's advanced prices still rule. Quotations are: Creameries, 24@28c; dairies, 24@26c.
Eggs.—Market continues slow and easy with last week's lower values ruling. Prime firsts, 17c; firsts, 15c; at mark, cases included, 10@14c per doz.
Hay and Straw.—Market strong with all grades of hay showing a further advance of \$1 per ton. Straw steady at last week's figures. Quotations are: Choice timothy, \$21@21.50; No. 2 do. and No. 1 mixed, \$18@19; No. 3 do. and No. 2 mixed, \$14.50@17.50; rye straw, \$6.50@7.
Potatoes.—Prices are 10c lower for best stock with market rather easy under increasing receipts. Choice to fancy new, 63@65c per bu; fair to good, \$8@60c.
Beans.—All kinds higher; market firm. Choice hand-picked are quoted at \$2.36@2.40; fair to good, \$2.26@2.30; red kidneys, \$3@3.50 per bu.
Wool.—Trade slow; prices show no change. Fine delaine, unwashed, 20@22c; fine medium, 22@24c; medium, 23@25c.

New York.

Butter.—Weaker; creameries ½c lower.
Creamery specials quoted at 28% @29c;
process butter, 22@25½c per lb.
Eggs.—Market firm. Nearby eggs are
quoted at 24@30c; fresh gathered extras,
19½@21c; firsts, 17@18c per dozen.
Poultry.—Market irregular; fowls have
advanced while broilers are lower. Live
quoted as follows: Western fowls, 18½@
19c; western broilers, 20@22c; turkeys,
10@14c per lb.

Carlot prices on track: Bran, \$25 per ton; coarse middlings, \$24; fine middlings, \$27; cracked corn, \$27; coarse corn meal, \$27; corn and oat chop, \$24 per ton.

Potatoes.—A steady trade prevails with demand and supply well adusted to keep prices firm. They are quoted at \$1.50@2 per bbl.

Provisions.—Mess pork, \$25; family pork, \$25@26; medium clear, \$24@26; than to be able to hold out until buyers smoked hams, 17½c; dry salted briskets, and most farmers are in a position to

bacon, 20@21c; lard in tierces, 12%c; kettle rendered, 13%c per lb.

Hides.—Steady. No. 1 cured, 9c; No. 1 green, 7½c; No. 2 cured bulls, 8c; No. 2 green bulls, 6½c; No. 1 cured veal kip, 10c; No. 1 green veal kip, 8c; No. 1 cured calf, 14c; No. 2 kip and calf, 12%c; No. 1 cured calf, 14c; No. 2 kip and calf, 12%c; No. 1 horsehides, \$3.50; No. 2 horsehides, \$2.50; Solution of the sheepskins, as to amount of wool. 20@60c.

Butter.—Values have not changed this past week. There is a good demand and the output is limited by the quality of the lood, 24@26c.

Butter.—Values have not changed this past week. There is a good demand and the output is limited by the quality of the lood, 24@26c.

#### Elgin.

Butter.—Market is firm at 28c per lb., which is last week's quotation. The sales for the week amounted to 1,029,600 lbs., compared with 1,076,334 lbs. for the week previous

### THE LIVE STOCK MARKETS.

Buffalo.

July 18, 1910.

July 18, 1910.

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

Receipts of stock here today as follows: Cattle, 145 cars; hogs, 2,560; sheep and lambs, 3,600; calves, 1,500.

With 145 cars of cattle on sale here today, we report all cattle from 1,100 lbs. down, strong at last Monday's prices, and cattle weighing above 1,100 lbs. slow and barely steady, and in many instances 10c lower.

lower.

We quote: Best 1,350 to 1,500-lb. steers, \$7.75@8; good prime 1,200 to 1,350-lb. do., \$7.25@7.60; best 1,100 to 1,200-lb. shipping steers, \$6.50@7.25 medium butcher steers, 1,000 to 1,100 lbs., \$5.50@6; light butcher steers, \$5.60@7.25 medium butcher steers, \$6.50@7.25 medium butcher steers, \$6.50@7.25 medium butcher steers, \$5.60@7.25 medium butcher steers, \$5.60@7.25 medium butcher steers, \$5.60.67.5; fair to good cows, \$4.25@4.75; common to medium do., \$3.@3.75; best fat heifers, \$6.66.50; good fat heifers, \$5.65.50; fair to good do., \$4.25@5; stock heifers, \$3.50@3.75; best feeding steers, \$4.50@4.75; medium to good do., \$4.25; stockers, all grades, \$3.50@3.75; best buils, \$5.25@5.50; bologna buils, \$4.40.50; light thin bulls, \$3.50@4; best milkers and springers, \$50@60; common to good do., \$30@40. The good cows were \$2@3 higher today; common cows steady.

Hog market opened about steady at Saturday's close, or otherwise 5@10c lower than early prices Saturday morning; closing with a good clearance. Everything selling that was yarded in time for the market.

We quote: Medium and heavy from 200 to 220 lbs., \$9.09.10; 250 and up, \$8.90@9; yorkers, \$9.25@9.40 as to weights; pigs and lights mixed, \$9.50@9.70; roughs, \$7.50; stags, \$6.66.50. Prospects look fair for the future at about the above prices.

The lamb marker opened steady and closed a counter bicker, with most of the We quote: Best 1,350 to 1,500-lb. steers,

fair for the future at about the above prices.

The lamb market opened steady and closed a quarter higher, with most of the best spring lambs selling at 7c; few at \$7.25; yearling lambs, \$5.75@6. All selling; look for steady market balance of week. Sheep market was steady today, and look for steady prices balance of the week.

Week.
We quote: Spring lambs, \$7@7.25; yearlings, \$5.75@6; wethers, \$5@5.25; ewes \$4@4.25; cull sheep, \$2.50@3.50; bucks, \$2.50@3; yeals, choice to extra, \$9.75@10; fair to good do., \$8.50@9; heavy calves, \$5@6.

Chicago.

Chicago.

Cattle. Hogs. Sheep Received today ......26.000 23,000 40.000 Same day last year ....25,436 28,651 22,959 Received last week ....56,516 102,348 108,570 Same week last year .49,297 93,390 95,631

The week starts off today with full supplies of everything except hogs, the collapse in hog prices last week tending to restrict country shipments. Last Saturday's hog sales were at \$7.90@8.90, with prime pigs selling at \$9@9.10. On the preceding Saturday hogs sold at \$8.30@9.37½. The decreased run today made a better outlet, and sales were at Saturday's best figures, with best light hogs at \$8.90 and some pigs at \$9. The hogs received for the last two weeks have averaged 244 lbs., compared with 224 lbs. a year ago, 221 lbs. two years ago and 236 lbs. three years ago. Cattle were rather animated today, good lots running firm and others selling largely 10c lower. Thirty cars of Montana range cattle arrived, and further supplies are expected tomorrow. Calves sold at \$3.20. The market was glutted with sheep and lambs, principally lambs, and the great bulk of the offerings halled from the ranges and graded poorly. Prime lambs were up about 15c after last week's deciline of \$1 in lambs and 50c in sheep, with few offered, most of the lambs being inferior and fit only for feeders. Sheep were 10@15c lower. Lambs were salable at \$4.6.65, wethers at \$3.00, ewes at \$2.00.75 and yearlings at \$4.00. Feeder lambs were wanted at \$5.50.06.

Cattle started off last week slow and decidedly lower, a Monday run of 25,388 head being too large for a single day and causing breaks of 10.025c. Better markets were seen on other days, the next largest receipts being 17,169 head on Wednesday, while quite moderate numbers showed up on other days. There were good rallies in prices for desirable offerings, which met with a good demand both on local and eastern shipping account.

nesday, while quite moderate numbers showed up on other days. There were good rallies in prices for desirable offerings, which met with a good demand both on local and eastern shipping account, but ordinary grassy cattle failed to sell above the Monday decline. The bulk of the beef steers sold during the week between \$6@8, ordinary lots selling at \$4.65 @6.6 fair killers at \$6.10@6.95; medium lots at \$7.67.45, good cattle at \$7.50@7.95, and choice to extra heavy shipping beeves between common and prime cattle is what is always looked for at this time of the year, and its continuance is almost a certainty, for while there are plenty of grass-fed cattle, the supply of prime to the time. Butcher stock has sold well or otherwise according to the quality of the cattle, cows and helfers bringing \$3.56@ the stocker and feeder trade was more animated so far as stockers

were concerned, sales ranging at \$30 5.10, but very few buyers were willing to pay the high prices asked for desirable feeders, sales ranging at \$505.55, and some lots selling at \$4.6004.90. The dry spell has burned up pastures in many places and stopped the demand for feeders and forced cattle on the market prematurely. Distillery-fed steers have sold at \$7.2508.15 and Texas steers at \$4.400 6.40. A continuance of recent general features of the cattle trade is generally expected, with a tendency to increase buying of fat little handy yearling steers and heifers.

Hogs were marketed more freely last

reatures of the cattle trade is generally expected, with a tendency to increase buying of fat little handy yearling steers and heifers.

Hogs were marketed more freely last week, particularly on Monday, when 36,-128 head arrived, and some sharp breaks in prices took place, the best grades saaring in the declines, although the greatest depression was shown in fough, heavy lots, which were discriminated against by packers. Eastern shippers were apt to buy more freely, and on Monday 6,389 hogs were shipped out, lower prices tending to stimulate buying. Shippers wanted a good to choice grade of hogs of rather light weight, and light hogs sold highest of all, but strong weight pigs were higher than matured hogs, topping the market daily. Heavy hogs continued to make up the great bulk of the daily offerings, and the spread in prices widened out a good deal, coarse heavy hogs selling below \$8. Quality showed a falling off, and more thin, grassy sows at times indicated a desire to cash in everything marketable around ruling quotations. Prospects appear to be bright for choice hogs, but the common heavy kinds are likely to go much lower. Hogs for cutting up into fresh pork and bacon are the favorites.

Sheep and lambs were plentier than ever last week, with especially liberal supplies from the distant ranges, the first shipments of the season arriving from Montana, while the burned-up ranges of Idaho forced in big numbers of sheep and spring lambs prematurely. Great numbers of the range offerings were wholly undesirable for converting into mutton, and buyers in search of feeders had fine chances to load up, their increased operation accounting mainly for the greatly enlarged shipments from here. Packers continued to have things pretty much their cwn way, and further big breaks in pices placed the market on a much lower level than a year ago, the continued heavy shipments of southern spring lambs from Louisville to the packers direct helping them to buy lambs on the open market here on much easier terms. There was a grow

### LIVE STOCK NOTES.

Greatly altered conditions prevail in the hog markets of the country, it having been impossible to longer maintain the high prices that had been prevailing. Hogs are still extremely high as compared with former years and are generally expected to continue to bring high prices, but a return to the fancy figures that were paid so readily a few months ago is hardly looked for, even by the most ardent bulls. Eastern buyers in Chicago and other western markets some time ago ceased to buy with any degree of freedom, stating that they could no longer afford to pay ruling prices, and since then western packers may be said to have been in practical control of the situation.

Heavy packing hogs, after a long period during which buyers paid nearly as high prices as were offered for the lighter and medium weights, have had a big fall, and there is no telling how much lower they will go. They are placed in a weaker position than is usual at this season of the year because so many farmers are using unusual pains to make their hogs good and fat before sending to market. Corn as compared with prices paid for hogs, is a very cheap article, and much better returns are made by converting it into pork than by marketing the grain. Furthermore, the old sows are first fattened up in good shape and then shipped to market, where they have to be disposed of at an enormous discount from prices readily paid for barrows of light weight. The loud call is for bacon hogs and pigs, while farmers are sending in mostly lard hogs. It was believed some time ago that most farmers would realize the importance of retaining their good brood sows of known value to be used still for breeding purposes, but it is found that many farmers take a widely different view of the matter and are retaining only their sow gilts for breeding. Perhaps later on they will see that a mistake has been made in letting the sows go.

#### THIS IS THE LAST EDITION.

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

### DETROIT LIVE STOCK MARKETS.

## Thursday's Market. July 21, 1910.

Cattle.

Thursday's Market.

July 21, 1910.

Cattle.

Receipts, 858. Market strong at last week's prices.

We quote: Best steers and heifers, \$6; steers and heifers, 1,000 to 1,200, \$4,55.50; grass steers and heifers, \$00 to 1,000, \$4,55.50; grass steers and heifers that are fat, 800 to 1,000, \$4,55.60; grass steers and heifers that are fat, 800 to 1,000, \$4,55.60; grass steers and heifers that are fat, 500 to 700, \$3,75@4.25; choice fat cows, \$4,75; good fat cows, \$3.75@4.25; choice fat cows, \$4,75; good fat cows, \$3.75@4.25; choice fat cows, \$4.25; common cows, \$3,30.25; canners, \$2.25@2.50; choice heavy bulls, \$4.25; fair to good bolognas, bulls, \$3,75@4.25; canners, \$3.25@3.50; choice feeding steers, \$00 to 1,000, \$4.25@4.50; fair feeding steers, \$00 to 1,000, \$4.25; choice stockers, 500 to 700, \$3.50@4; stock heifers, \$3.25@3.50; milkers, large, young, medium age, \$40@50; common milkers, \$25@35.

Bishop, B. & H. sold Mich, B. Co, 3 bulls av 1,170 at \$4.25; 6 do av 925 at \$3.75; to Kamman 12 butchers av 903 at \$5, 2 cows av 945 at \$3.50, 4 do av 920 at \$4, 1 heifer weighing 750 at \$3.50, 3 butchers av 716 at \$4.50, 8 do av 725 at \$4.25; to Bresnahan 7 cows av 1,004 at \$3.50, 1 do. weighing \$30 at \$2.50; to Sullivan P. Co, 6 butchers av 625 at \$3.85, 1 bull weighing 1,000 at \$4.25; to Goose 2 do av 920 at \$2.90; to Schlach 8 butchers av 700 at \$5.50, 36 butchers av 625 at \$3.85, 1 bull weighing 1,000 at \$4.25; to Goose 2 do av 920 at \$2.90; to Schlach 8 butchers av 700 at \$5.50, 50 av 800 at \$4.25; to Goose 2 do av 920 at \$2.90; to Schlach 8 butchers av 700 at \$5.50, 50 av 800 at \$4.25; to Bresnahan 1 cow weighing 1,100 at \$3, 3 do av 1,053 at \$3.75; to Hammond, S, & Co, 4 do av 717 at \$3; to Marx 4 do av 790 at \$4.55; to Hammond, S, & Co, 4 do av 717 at \$3; to Marx 4 do av 790 at \$4.25; to Hammond, S, & Co, 4 do av 717 at \$3; to Ma

at \$5.20.

Roe Com, Co. sold Mich. B. Co. 4 bulls av 1,115 at \$4; to Gerish 9 steers av 934 at \$5.60; to Mayer 3 feeders av 843 at \$4.65; to Sullivan P. Co. 4 cows av 1,012 at \$4.10,52 do av 936 at \$3.35, 2 do av 915 at \$2.50,6 do av 855 at \$3.75, 6 butchers av 770 at \$4.65; to Mich. B. Co. 29 do av 160 at \$4.65; to Mich. B. Co. 29 do av 760 at \$4.65; to Mich. B. Co. 29 do av 760 at \$4.65; to Mich. B. Co. 29 do av 760 at \$4.65; to Mich. B. Co. 29 do av 760 at \$4.65; to Mich. B. Co. 29 do av 760 at \$4.65; at \$3.96. 2 at \$3.90. 2 at \$5.

avin,06.9 180 \$ 80, 6 do av 908 at \$5.
Lovewell sold same 5 heifers av 726 at \$3.90.

Spicer & R. sold Breitenback Bros. 31 butchers av 800 at \$4.70, 11 do av 715 at \$4.50, 3 do av 683 at \$3.50, 30 do av 818 at \$4.40; to Mich. B. Co. 16 steers av 1,072 at \$5.50, 9 do av 828 at \$5; to Hammond, S. & Co. 2 bulls av 1,345 at \$4.25, 2 cows av 1,045 at \$4; to Kamman 5 butchers av 794 at \$4.25; to Erban Bros. 4 do av 632 at \$4.40; to Kamman 5 butchers av 794 at \$4.25; to Erban Bros. 4 do av 632 at \$4.80 av 604 at \$4, 7 do av 690 at \$4; to Goose 1 cow weighing 1,000 at \$3, 1 do weighing 1,020 at \$3.25, 2 steers av 750 at \$5, 5 butchers av 652 at \$3.50; to Sullivan P. Co. 15 steers av 893 at \$5.50, 3 cows av 1,083 at \$5.

Haley & M. sold Edelstein 24 cows av 964 at \$4; to Mich. B. Co. 5 steers av 800 at \$4.25, 28 butchers av 761 at \$4; to Lachalt 5 do av 754 at \$4.50, 4 do av 1,025 at \$4.65; to Rattkowsky 5 do av 620 at \$3.85; to Applebaum 7 do av 686 at \$4.15, 4 cows av 1,105 at \$3.50; to Bresnahan 14 butchers av 732 at \$3.75; to Bresnahan 14 butchers av 732 at \$3.75; to Bresnahan 15 to Sullivan P. Co. 2 cows av 1,020 at \$4, 3 heifers av 593 at \$3.85, 10 bulls av 562 at \$3.50, 12 heifers av 715 at \$4, 2 cows av 1,030 at \$4.10; to Lachalt 2 bulls av 880 at \$4; to Regan 13 heifers av 574 at \$8.50; to Thompson Bros. 12 butchers av 683 at \$4; to Bresnahan 12 do av 572 at \$3.75; to Thompson Bros. 12 butchers av 683 at \$4; to Bresnahan 12 do av 572 at \$3.75.

Johnson sold Regan 10 butchers av 488 at \$3.75.

Downing sold Kamman B. Co. 5 cows av 865 at \$4.10, 8 butchers av 806 at \$4.50.

Johnson sold Gerish 3 steers av 843

Same sold Lachalt 4 steers av 725 at

### Veal Calves.

Veal Calves.

Receipts 620. Market strong at last Thursday's prices. Best, \$9@9.50; others, \$4@8.75; milch cows and springers steady. Bishop, B. & H. soid Bront 7 av 165 at \$6. to Hammond, S. & Co. 2 av 160 at \$6, 22 av 170 at \$9.25, 3 av 150 at \$6.50, 12 av 160 at \$9, 1 weighing 180 at \$6.50, 2 av 150 at \$9, 2 av 180 at \$6, 6 av 145 at \$9; to Sullivan P. Co. 6 av 135 at \$8.25, 4 av 155 at \$7, 18 av 165 at \$9; to McGuire 3 av 150 at \$7, 18 av 160 at \$9; to Newton B. Co. 19 av 160 at \$9.25; to Burnstine 14 av 185 at \$9.50, 15 av 175 at \$9.25, 6 av 155 at \$9.25; to Newton B. Co. 24 av 165

155 at \$9.25; to Newton B. Co. 24 av 165 at \$9.25; to Newton B. Co. 6 av 225 at \$5.50, 6 av 135 at \$8; to Sullivan P. Co. 6 av 190 at \$6; to Parker, W. & Co. 10 av 249 at \$5, 8 av 130 at \$8; to Nowiskig 9 av 150 at \$8.50, 4 av 225 at \$5.25; to Mich. B. Co. 3 av 230 at \$5.50, 23 av 135 at \$8.50; to Markowitz 11 av 270 at \$4.50; to Burnstine 8 av 150 at \$9.5 av 160 at \$9.25; to Markowitz 11 av 270 at \$4.50.

Roe Com. Co. sold Mich. B. Co. 5 av 155 at \$9; to Parker, W. & Co. 2 av 215 at \$5, 17 av 140 at \$8.50, 3 av 180 at \$5, 35 av 160 at \$8.75; to Mich. B. Co. 15 av 160 at \$8.75; to Mich. B. Co. 15 av 160 at \$8.65; to Parker, W. & Co. 2 av 245 at \$8.65; to Parker, W. & Co. 2 av 245 at \$8.65; to Parker, W. & Co. 2 av 245 at \$8.65; to Parker, W. & Co. 2 av 245 at \$8.65; to Parker, W. & Co. 2 av 245 at \$8.50; to Goose 6 av 230 at \$5; to Burnstine 3 av 150 at \$9.25.

Belheimer sold Sullivan P. Co. 7 av 175 at \$9.50.

Johnson sold Hammond, S. & Co. 10 av 156 at \$8.50.

H. N. Johnson sold same 4 av 145 at \$9.
Bohin sold same 5 av 200 at \$5.50, 15 av 150 at \$8.50.

Sheep and Lambs.

Sheep and Lambs.

Receipts. 1,646. Market 50c lower than on last Thursday.

Best lambs, \$6.50; fair lambs, \$5.75@
6.25; light to common lambs, \$4.50@5; fair to good sheep, \$3.50@4; culis and common, \$2@3.

Bishop, B. & H. sold Sullivan P. Co. 26 lambs av 60 at \$5.75, 6 sheep av 95 at \$3.50, 12 lambs av 48 at \$4.50, 49 do av 70 at \$6.50, 15 do av 55 at \$5, 40 do av 68 at \$6.50, 5 yearlings av 80 at \$5; to Haise 31 lambs av 55 at \$6.0, 5 yearlings av 80 at \$5; to Fitzpatrick Bros. 6 do av 70 at \$6.50, 15 at \$6.50, 16 do av 60 at \$6.50, 5 yearlings av 60 at \$6.50; to Fitzpatrick Bros. 6 do av 70 at \$6.50; to Marx 101 do av 70 at \$6.50; to Barlage 96 do av 60 at \$6.25; to Fitzpatrick Bros. 16 do av 55 at \$6; 10 marx 101 do av 70 at \$6.50; to Barlage 96 do av 60 at \$6.25; to Fitzpatrick Bros. 16 do av 80 at \$6.25; to Fitzpatrick Bros. 16 do av 80 at \$6.25; to Fitzpatrick Bros. 16 do av 80 at \$6.25; to Fitzpatrick Bros. 16 do av 80 at \$6.25; to Fitzpatrick Bros. 16 do av 80 at \$6.50; to Fitzpatrick Bros. 18 sheep av 70 at \$6.50; to Fitzpatrick Bros. 15 sheep av 70 at \$6.50; to Fitzpatrick Bros. 15 sheep av 70 at \$6.50; to Fitzpatrick Bros. 15 sheep av 70 at \$6.40, 64 do av 60 at \$6.25.

Spicer & R. sold Stoker 2 sheep av 110 at \$4, 12 lambs av 68 at \$6.50; to Brant 11 sheep av 70 at \$4.

H. N. Johnson sold same 8 do av 75 at \$6.50, 10 sheep av 114 at \$4.

H. N. Johnson sold same 9 do av 140 at \$3.75; 65 and \$6.50; to Sheep av 114 at \$4.

Bohm sold Hammond, S. & Co. 16 lambs

Bohm sold Hammond, S. & Co. 16 lambs

Bohm sold Hammond, S. & Co. 16 lambs av 80 at \$6.50.

Haley & M. sold Newton B. Co. 2 sheep av 140 at \$3.50, 13 lambs av 75 at \$6.50; to Sullivan P. Co. 11 do av 55 at \$5. 3 sheep av 135 at \$3, 18 do av 101 at \$2.50, 32 do av 48 at \$4.50; to Youngs 74 lambs av 65 at \$6.25; to Thompson Bros. 32 do av 50 at \$5, 17 sheep av 100 at \$3.50; to Mich. B. Co. 10 do av 112 at \$3.50, 29 do av 90 at \$4, 13 yearlings av 75 at \$5, 47 lambs av 77 at \$6.50; to Eschrich 60 do av 65 at \$6.25; to Thompson Bros. 39 do av 70 at \$6.25.

Roe Com. Co. sold Mich. B. Co. 5 sheep

at \$6.25.

Roe Com. Co. sold Mich. B. Co. 5 sheep av 110 at \$4, 76 lambs av 80 at \$6.50; to Barlage 6 do av 70 at \$6, 26 sheep av 125 at \$3; to Sullivan P. Co. 12 lambs av 75 at \$6.50.

#### Hogs.

Hogs.
Receipts, 1,209. Market 10@15c lower than last Thursday.
Range of prices: Light to good butchers, \$8.90@9; pigs, \$9; light yorkers, \$8.90@9; heavy, \$8.75.
Roe Com. Co. sold Sullivan P. Co. 28 av 155 at \$9.
Belheimer sold same 49 av 160 at \$9.
Belheimer sold same 49 av 160 at \$9.
Spicer & R. sold Parker, W. & Co. 151 av 240 at \$8.80.
Bishop, B. & H. sold same 211 av 200 at \$8.90.
Haley & M. sold same 187 av 175 at

Haley & M. sold same 187 av 175 at \$8.90. 47 av 190 at \$8.85, 38 av 250 at \$8.75. Bishop, B. & S. sold Hammond, S. & Co. 441 av 195 at \$8.90, 25 av 250 at \$8.75.

### Friday's Market.

July 15, 1910.

Cattle.

Receipts this week, 1,672, against 923 last week; market dull at Thursday's decline; several loads holding over. We quote: Best steers and helfers, \$6@6.10; steers and helfers, 1,000 to 1,200 lbs., \$4.75@5.50; do, 800 to 1,000 lbs., \$4.50@4.75; grass steers and helfers that are fat, 800 to 1,000 lbs., \$4.50@4.75; do, 500 to 700 lbs., \$4.25@4.50; choice fat cows, \$4.25@4.50; good fat cows, \$4; common cows, \$3@3.25; canners, \$2.50@2.75; choice heavy bulls, \$4@4.25; fair to good bologna bulls, \$4; stock bulls, \$3.50; choice feeding steers, 800 to 1,000 lbs., \$4.50; fair feeding steers, 800 to 1,000 lbs., \$4.50; fair feeding steers, \$00 to 700 lbs., \$4.50; stock helfers, \$3.25@3.50; milkers, large, young, medium age, \$40@50; common milkers, \$25@30. Cattle.

### Veal Calves.

Receipts this week, 1,119, against 987 last week; market 25@50c lower; best grades, \$8.75; others, \$4@8.50; milch cows and springers steady.

Sheep and Lambs.

Receipts this week, 2,424, against 1,384 last week; market dull at Thursday's close. Best lambs, \$7; fair to good lambs, \$6@6.50; light to common lambs, \$5@5.50; fair to good sheep, \$3,75 @4.25; culls and common, \$2@3.

### Hogs.

Receipts this week, 2,462, against 3,985 last week; market steady at Thursday's decline. Range of prices: Light to good butchers, \$9.05.09.10; pigs, \$9.15; light yorkers, \$9.1009.15; heavies, \$8.7509; stags, one-third off.

### MIDSUMMER CROP CONDITIONS.

(Continued from page 64).

per cent below a year ago and 4.3 per cent below the average.

The following tabulation is a summary for the United States of crop conditions on July 1, with comparisons, B. Co. 19 av 160 at \$9.25; to Burnstine 1, av 185 at \$9.50, 15 av 175 at \$9.25, 6 av conditions on July 1, with comparisons, av 185 at \$9.25; to Newton B. Co. 24 av 165 at \$9.25; to Newton B. Co. 25 av 165 at \$9.25; to Newton B. Co.

Agriculture:				
	Condi	tion .	July	1.
			10 yr.	Jne 1.
Crops 1910	1909	1908		1910
Corn85.4	89.3	82.8	85.1	11/2017
in. Wheat 81.5	82.4	80.6	81.3	80.0
Spg. Wheat .61.6	92.7	89.4	87.1	92.8
All Wheat73.5	86.5	83.9	84.0	85.2
Oats82.2	88.3	85.7	86.6	91.0
Parley 73.7	90.2	86.2	88.1	89.6
Rye87.5	91.4	91.2	90.4	90.6
Flaxseed65.0	95.1	92.5	91.1	
Hay (all)80.2	87.8	92.6		86.1
Hay, Timothy79.2	87.1	90.2	85.4	
Hav. Clover .828	83.8	95.5	84.6	86.6
Hay, Alfalfa 84.5	91.4	86.1	*89.4	93.1
Hav. Millet .75.2	90.0	87.8	*88.0	
Pastures81.6	93.1	94.6	91.9	88.5
Potatoes86.3	93.0	89.6	90.9	
Apples49.6	54.6	57.6	61.9	53 0

		CONTRACTOR .	ed confirmed	
Peaches62.1	50.0	69.7	61.4	62.0
Pears61.0	57.5	69.7		63.2
Grapes80.2	90.2	87.9	88.5	
Blackberries 77.0	88.8	90.5	*90.0	80.0
Raspberries .76.2	89.5	88.4	*88.6	79.2
Tomatoes86.1	91.6	89.4	*88.0	
Cabbages 88.6	90.7		*89.4	88.5
Onions89.8	91.7		*90.6	91.1
Beans88.4	89.1		*89.6	
Sugar Beets 89.3	90.4		88.0	90.5

\*Four-year averages.
The acreage of the cultivated crops, so far estimated by the Bureau of Statistics, is about 4.2 per cent greater than last year.
The preliminary estimates of acreage in 1910 and the final estimates for 1909, for important crops, are as follows:
Crop 1910 1910 1909

CIUD	1910	1909
Corn	.114,083,000	108,771,000
Winter Wheat .	. 29,044,000	28,330,000
Spring Wheat .	. 19,742,000	18,393,000
Oats		33,204,000
Barley	. 7.057.000	7,011,000
Potatoes	. 3,521,000	3,525,000
Flax	. 3,103,000	2,742,000

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

Impure Blood.—My dog went into water and remained in it too long last spring; since then he has not been right. His blood seems to be impure, for he breaks out in sores. J. H., Metamora, Mich.—Dust on sores equal parts boric acid, sulphur and iodoform. These applications should be made daily until the sores heal. Give dog five drops Donovan's solution at a dose three times daily.

the sores heal. Give dog five drops daily.

Near Sighted.—We have a very intelligent shepherd dog that seems to be growing near sighted and gradually losing vision. His eyes are prominent but not clear. This dog has always been energetic and may have over exerted himself. M. E., Dansville, Mich.—Your dog is perhaps developing cataract, and if so nothing can be done for him, except giving 10 grain doses iodide potassium two or three times a day; this will possibly absorb the thickening or effusion causing his trouble. Apply equal parts extract witchhazel and water to eyes three times a day.

Partial Paralysis.—I have a sow with litter of pigs five weeks old that appears to be losing the use of her hind quarters, and I would like to have her treated. O. W., Lansing, Mich.—Feed her no corn; give her a teaspoonful airslaked lime at a dose in feed two or three times daily. Also give 15 grs, salicylate soda at a dose three times a day.

Rheumatism.—I have nine pigs 10 weeks old that go lame occasionally

Rheumatism.—I have nine pigs 10 weeks old that go lame occasionally and their joints swel; the whole trouble seems to be in their hind quarters, but I might say they have been fed some ashes, salt and sulphur. R. L., Leroy, Mich.—Give your pigs a teaspoonful of nitrate potash in milk or water once a day—this is enough for the whole litter and they should be given a dose once or twice daily.

Throat Polypus.—I have a 10-year-old horse that seems to be short of wind, and when exerted much chokes and falls down; he also bleeds from mose and I am at a loss to know how to treat a case of this kind. E. A. D., Eaton Rapids, Mich.—A surgical operation on the throat would perhaps relieve him; however, I am inclined to believe drugs would fail. You may try giving one dram doses iodide potassium in feed or water three times a day.

Bone Spavin.—My five-year-old mare has been lame all summer, caused by bone spavin. Our local veterinarian has treated her, but she is still lame and shows no improvement. What had I better do for her? W. J., Cedar Springs, Mich.—Without giving a spavined horse rest and keeping him quiet, treatment has very little effect, and a majority of cases do not get well. If you are obliged to use the horse, apply tr. iodine to bunch once every day or two, but if you can give him rest, blister; using any one of the spavin remedies that are regularly advertised in this paper. If idriving br hard work causes spavin lameness, it is not reasonable to expect treatment to fail if you continue working the horse.

Scrotal Hernia—Sweeny—I have a male colt that was born with a rupture in the scrotum; he is now five days old and seems to be doing well. I also have a three-year-old coit that is sweenied in one shoulder, but not lame. Will doing light work harm the coit? A. K., Denton, Mich.—I have known hundreds of colts to come ruptured and recover without treatment, therefore you should give nature a chance to effect a cure before resorting to a surgical operation. Moderate work will not prevent your since. She ha

Horse Owners Should Use

### GOMBAULT'S Caustic Balsam

The Great French Veterinary Remedy.



SUPERSEDES ALL CAUTERY OR FIRING Impossible to produce any scar or blemish. The safest best Blister ever used. Takes the place of all liniments for mild or severe action. Removes all Bunches or Blemishes from Horses or Cattle.

As a HUMAN REMEDY for Rheumatism, Sprains, Sore Throat, Etc., it is invaluable.

WE GUARANTEE that one tablespoonful of CAUSTIC BALSAM will produce more actual results than a whole bottle of produce more actual results than a whole bo any liniment or spavin cure mixture ever made.

Every bottle of Caustic Balsam sold is Warran-ted to give satisfaction. Price \$1.50 per bottle, Sold by druggists, or sent by express, charges paid, with ful directions for its use. Send for descriptive circulars, testimonials, etc. Address THE LAWRENCE-WILLIAMS OO., Cleveland, Ohio

## H-E-C Medicated-Tonic STOCK SALT

The Great Worm Exterminator for Worms in Horses, Sheep, Hogs and Cattle.

Regulates the Stomach, Kidney, Liver and Bowels. Put up 5 lbs. 25c; 10 lbs. 50c; 20 lbs. \$1; 50 lbs. \$2.50. Ask your dealers everywhere.

Jackson Grocery Co., Jackson, Mich.

(STATE AGENTS.)

Do you know that your animals are taking up from the pasture the germ or egg of the worms that will breed and develop during the winter months. Kill the germ in the stomach, this can be done by feeding H-R-C Medicated Tonic Stock Salt in the pasture. For sale by all Grocers and Druggists H. E. COBB CO., Brooklyn, Michigan.





### DEATH TO HEAVES

The first or second \$1.00 can cures. The third can is guaranteed to cure or money refunded.
\$1.00 per can at dealers, or express prepaid. THE NEWTON REMEDY CO., Toledo, Ohio



### When All Others Fail Try Dr. Fair's Cough & Heave Remedy

Dr. B. J. Kendall Co., Enosburg Falls, Vt.

SIX DAYS' TREATMENT FREE to new customers, if you send 4c to pay postage. If your druggist can't supply you

Send \$1 for 30 Days' Treatment

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W. F. YOUNG, P.D.F., 268 Temple St., Springfield, Mass.

### THE MICHIGAN FARMER.

## OME AND YOU'

THE RECLUSE.

BY E. SOUTHGATE BALDWIN.

'Tis he who looks into the faces of men, the while Perusing their souls—looks deep in

So often Beauty's treacherous disguise.

'Tis he who beauty sees in humble flower; In every cloud or sunbeam's ray; in Youth's

Apart from men, in silence like a tomb; In sacred solitude, bereft the gloom Of loneliness, he slakes his thirst from

To men unknown; climbs not the worn mount,
But searches wilds for Nature's wondrous unknown; climbs not the path-

of truth revealed in God's exhaustless

### THOSE ANTI-LAZINESS GERMS.

BY ANNA GIRMUS.

Dr. Von Spankem's head was not adjusted at the usual, "it's so and you can't deny it" angle. The light cane he carried in his hand came down viciously again and again on the spears of grass that had escaped the blade of the lawn mower. The doctor had always insisted that an, being who claimed the title of man should have will power enough to keep his mind from dwelling on the profitless and unattainable. It would be hard to decide which annoyed him the more, the fact that Grace Englis was so often the subject of his thoughts, or that he did not prevent such thoughts from returning.

Suddenly there came the sound of pattering feet behind him, the impact of a rather solid body on his legs, and down he fell full length on the slippery cement walk. He arose with the usual haste of the person meeting with such an accident. Before he had fully straightened out his six feet of height, the subject of his perplexing thoughts stood before him. "Oh! is it you, Dr. Von Spankem?" she inquired anxiously. "Are you hurt?"

The doctor resented the tone. He was not so old that a little fall on the walk should be treated as such a serious

"Not hurt at all," he answered cheerily as he pulled down the knees of his trou-sers, "but was that Zip?"

"It certainly was and I am truly sorry. Are you sure that you are not hurt?"

Again that note. He felt like slinging the cane in his hand after the animal that had caused the catastrophe. Instead. however, he smiled his "perfectly certain, but I never suspected that Zip possessed such speed."

They caught a glimpse of the pug on the other walk, in hot pursuit of asquirrel which could not get time to climb a tree. The man watched the proceeding with a keen satisfaction.

"I don't see what ails him lately," com-"He's not himself at plianed the girl. all. He's so nervous and active. I took him to Huntsmen last week. He gave him some soothing syrup, but that did no good. He's positively growing thin and you know how hard it was to keep him from killing himself with fat?"

"I should think that you'd be glad. He was so awfully lazy. I don't see how you ever tolerate such a bundle of laziness. Of all animals I do believe the pug is the laziest, and Zip the very laziest of his kind.

"You see, he was given to me," Grace defended herself. "Then you know they say that we admire those traits that we do not possess and I have never been accused of dignity. Zip surely is dignified and until recently no one ever accused him of being in a hurry."

embered that Fred S The doctor John had been the former owner of Zip. her quizzically. No one would think of accusing that at the Englis home? Did Grace, who was all energy, like that big lazy lout bewould do anything?

He chases cats, has a big hole dug in things.'

"That's good." The doctor brought his thoughts back to the dog. There was a peculiarly satisfied accent in his voice.

"How did it happen?" "The first time that we noticed any- ed anxiously at her companion.

thing strange about him was the night Father hurried down stairs to barks. catch a glimpse of a man crawling out tions. through the dining room window. Zip inoculate him," he finally protested. stood in the center of the room viciously tearing at a piece of gray woolen goods. That's a week ago. Why, it was the That's a week ago. night after you had taken care of him lazy Perusing their souls for me. Studenty her eyes.

And sees Deceit lurking beneath her ingly on Von Spankem's face. She sat down on the nearest bench. "Sit down smile—"

Own on the nearest bench. "Sit down on the nearest bench." doctor," she invited. "What did you give Zip?"

Dr. Von Spankem tried to look inno-Delight, and Age's supreme content; cent, but he knew from past experience that he might as well tell all without delay. He knew her since the day, long truths. ago, when he was not as busy as now and she had come to him asking that he fix her kitten's leg like he had Uncle Charlie's when it was broken. They had become warm friends over that memorable operation.

"Well, Miss Grace, since you must know, I might as well confess at once." They both laughed merrily. For the time, Fred St. John was not. "Zip was really killing himself with laziness so I inoculated him with a few of my new antilaziness germs."

"And you never told me." She stooped to pat Zip on the head. "You poor dog-"But it's a sin to she murmured. kill the pretty squirrels."

Zip's tail, which had grown almost straight, wagged fur ously as he laid the pretty squirrel at the feet of his mistress with no sign of contrition.

straightened up and gazed at her companion with a new interest. "Will those there was the possibility that she anti-laziness germs act on human beings?"

"Certainly. That's why I have been working on the subject these past five years. You see there are so many people in this world, perfectly able to work, who are too lazy and who compel others to work for them. Often those who labor are really physically unfit for the task while some strong, healthy curmudgeon does nothing. Like Ike Williams, great big lubber, eating the provisions that puny Mandy earns by washing." The doctor's tones were full of unutterable contempt. 'Long ago I came to the conclusion that matters." such undue laziness is caused by some physical defect. After careful study, I learned that its origin is the presence of germs in the human system, and science demands that it be treated like any dis-

"Won't it hurt the mental ability of the patient?" Grace inquired.

"I think not. I am certain that it will Ike came for the laundry the other morning. When I asked him about his present occupation, he complained so much about his backache that I offered to see what I could do for him. He remonstrated, but I led him to the laboratory, examined his back and, before he was aware of my intentions, had him inoculated. The same afternoon I saw him at Henderson's mowing the lawn. was doing a quick, neat job of it, too. In fact, he was hurrying so that he ran into me and almost knocked me off the walk."

Miss Englis's eyes shone merrily. "Seems to me, doctor, you are getting the worst of your energy-imparting po-"If this tions" she remarked slyly. proves a complete success I suppose you will immediately inoculate, or cause to be inoculated, all the lazy people 'willy nilly! What if some deluded creature should object vigorously?"

"That class of people never do anything vigorously, but we would inoculate anyway, just us we do for smallpox. Those lazy persons are a menace to society."

Grace laughed heartily at the doctor's vehemence. "Dr. Von Spankem, are you him, for he was as strong as a man

"Perfectly sure. Do you think that ty-four and he was nearing forty.

young man of undue haste. Was that You know he's real nice, kind, jolly, noon. why he was in such constant attendance obliging, good-looking and all that, but he does seem to lack ambition. course he is rich and it does not matter cause he never was in a hurry, never much, but father objects to him so strongly. Poor old-fashioned daddy in-"I really am worried about him," consists that a man who can not do a his laboratory. Six o'clock tinued the girl. "He's so energetic lately. day's work at something has no busi-found him at his neighbor's ness getting married. He says he'd not the back yard and does all sorts of care if it was splitting wood, if Fred only showed a willingness to work he would remove all objection. If those germs produce as big a change in the human system as they have in Zip—if you could inoculate Fred?" she look-

Von Spankem did not flinch. So it that he chased the burglar in the dining was all settled, and only her father's room. He woke us up with his furious objections kept the two apart, and he was to remove the cause of those objec-"But he has not asked me to

"Neither did Ike?" reasoned Grace.
"That's different. Fred is not dependent on anyone. He can afford to be

"Seems to me I have heard you say that money excuses no man from doing his share in the world's work."

"Yes, but this is different," he argued weakly. "I-I don't see how I'd get the opportunity. You can't very well walk up to a man like St. John and say, 'Here, you lazy cuss, you need inoculation.

"But you'd vaccinate without his con-

"Well, the law gives us the power." Grace tapped the walk with the toe of her shoe. "We'll be a law unto our-selves," she decided. "If Fred would selves," she decided. only get sick or something, then you would have your opportunity, but he is so horribly well. Couldn't you give him something to make him sick, just a little, make his head ache? He's a fearful baby. If his head should ache the least bit he'd think he was dying."

The doctor studied her in silence. How could she care for such an aimless creature as Fred St. John? But she did, and her happiness depended upon arousing any latent ambition that that And if she young man might possess. cared so much for him in his present state, what would be the result if he were to prove himself really a man "What an odd idea, doctor." She slowly with vast numbers of day's work stored up in his anatomy? On the other hand, would lose all interest in her lover as soon as he demonstrated that he possessed real energy. She had just advocated the theory of opposites.
"Well?" she inquired.

"I suppose it could be managed," he admitted.

"Of course it can if you'll help me. Fred is coming to dinner this evening. You must come, too. I'll see that he gets the stuff to make his head ache, if you give it to me, and you must be there with the germs."

"Seems to me that you are rushing

"Well, what's the use of waiting. I am so tired of hearing father scold."

"If it must be, I suppose it might as well be attended to at once." He arose rath erslowly and smiled grimly down on her.

You'll "I know you'd understand. give me the stuff for the head-ache now, won't you?"

The two slowly walked through the park and down the street to the doctor's laboratory.

"This is perfectly harmless," he assured her as he measured out a white powder, "but I am not so certain that we ought to inoculate him."

"Oh, I am," she answered energetical-"I'll take the responsibility for the act upon myself."

After she had gone the doctor sat down before his test tubes. So she had decided to marry St. John? It was only natural. There was about the right difference in their ages. He checked a sigh as he thought of his own fortieth birthday, which was already appearing above the horizon.

Grace Englis had been only a child to him until she had returned home from school a year ago. Then a change crept into their relations. He had learned that success in his profession, and he had been very successful, was not all sufficient. There were other things in life even more desirable. Suddenly his years became an insupportable burden. Not that he was weak or felt the ravages of old age creeping upon perfectly certain that it will not hurt should be who had taken the care to guard his health, but Grace was twen-

Putting on his hat he started for the office. Dr. Travis was there before him, "I was thinking of Fred St. John. but both were busy the entire after-

In a sub-conscious way, the inoculation of Fred St. John troubled the doc-He could not decide whether to tor. go to the Englis home and perform his part, or to send an excuse and stay in his laboratory. Six o'clock, however,

Mr. Englis greeted him heartily and led him to the library to reveal some while hobby, philanthropic Spankem rebelled inwardly against those forty years that kept him from the young people. At dinner, however, he entered so animatedly into the discussion of golf, auto parties and the

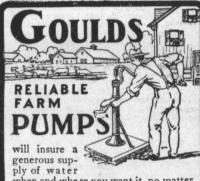
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that he forgot birthdays.

iously, as the family with their guests gathered on the porch. Dr. Von Spankem had lingered a moment to learn the time when Grace had given the white powder.

"We must wait a half hour," he explained. begin to wear off and he will think that the injection is relieving the pain."

"I'm afraid that I shall be very sick," Fred was complaining, as the two conspirators joined the group. "This is awful. I must get home. I'm in for it, I know. Doctor, can't you give me something? My head! Oh, my head! I can't stir it hurts so."

The doctor took the sick man's tem-

The doctor took the sick man's temperature, examined his tongue, counted the pulse beats-and he took time to do it. It gave him great satisfaction to hear the big fellow complain like a lit-tle child. The fact that Grace was there to hear the moans did not detract

from that satisfaction.
"I haven't anything much with me," he said, "but I think that an injection of this will give you relief." He took a tiny bottle from his pocket.

"Oh, all right! Give it to me quick. I can't stand this a minute longer," wailed Fred.

"Now, that's better," he announced a few minutes later; "that's great stuff. think that I can go home soon. Will

it be safe, doctor?"
"Oh, yes," the man of medicine assured him. "You'll be all right by morning."

"Maybe you could go with me and me another injection if I should

need it?" not need another."

A half hour later Fred had started for his rooms and the doctor was saying good-night to Grace. "Are you certain it will not hurt him" she inquired anxiously. "He appeared so sick."

"Oh, that was the powder. He is all over that by this time."

Later, when he sat before the table in his laboratory, he was not so certain. "Pshaw!" he growled at last, "it did not hurt fke and it will not hurt him."

He took from the drawer in the table a nearly prepared paper and began to read. It was the report of his researches on the cause of laziness and its cure. Tomorrow he was to read it before "The Medical Fraternity," and it was not quite finished. In a moment he laid it on the table and gazed before him. He felt a strong distaste for his task, but he knew that the paper must be finished, for the morning was to be a busy one.

A test tube in the rack attracted his

attention. He shook it and watched the rich golden globes settle slowly to the bottom. Replacing it he turned again to the paper, but his mind would not be forced to dwell on it. Impatiently he shoved it to one side, gazed at the tube a moment, took from his pocket the tiny syringe, filled it with the liquid and pressed the needle to his arm. "Is that Miss Englis?" he inquired

weakly. He had eben awake for some "I'll see," answered the nurse, step-

ping out into the hall. "Yes." she reported.

"Please tell her to come up. I want to see her,"

"But you are too weak."

"I am all right now. Please tell her to come up;" the old ring of authority had come to his voice.

The other doctor gave him a look, noted the firm voice and supported the command. "Glad you're so much bet-ter," he congratulated his patient. "You don't need me any more. You'll get well rapidly, but I'd advise you to take a month's rest. You have been working too hard."

"Oh, but I am so glad that you are better." Grace murmured as she hurried to the bed.

"Is that cord quite strong?' inquired Dr. Von Spankem, gazing at the silk rope to which Zip was attached.

"Yes. quite strong." "Then, if Zip is as lively as he was the last time I saw him, fasten it to that hook in the window sill."

last reception, for socially he was gave me medicine. I went to sleep and rather a favorite with the younger set, woke about an hour ago. The last that remember is the evening at your "What's the matter, Fred," inquired house." He looked hurriedly about the Flora Englis, Grace's young cousin, anx-room. "Are they gone?"

"Yes."

"Are we alone?"

"Yes, excepting Zip."
"How is Fred?" he inquired eagerly. "Fine. He's settled down to business ust wait a half hour," he ex- in great shape. In some way, he did
"The effect of the stuff will some speculating. You know I have no idea how such things are done. In few days he cleared a half million. Father lost several hundred thousand by the deal, but he does not care at all. He has removed all objections and they are to be married in June."

"They!" the doctor gazed at her blankly.

Florence and Fred, of "Why, yes. That's what I was working course.

"But I thought it was you. I never thought of Florence.

Grace regarded him with the look that comes to a woman's eyes when the man she loves tries to marry her to some other fellow.

"How should I know? Why Florence appears such a child. She never entered my mind."

"You see father is her guardian and, although she is of age, she did not like to oppose him," Grace continued indifferently.

But the man read her face eagerly. His thin white hand reached up to hers. "Sit down here," he whispered. Then the other thin hand clasped her other

"There is one thing I want you should do for me," he begged a half hour later. "Please go to the laboratory and if you find a test tube full of a brown liquid, "It's not at all necessary. You'll in the rack on the table in the center of the room, empty the liquid into the sink, turn on the water for about fifteen minutes and smash the tube. burn the manuscript that's lying on the table."

"All right," she assented, "but that's not your anti-laziness serum?"

"That's it. That night after I left you I felt as if I could not do a thing and I had work that needed finishing, so I inoculated myself. I have no recollection of what followed. I only know that I suffered intensely and that I shall never use it again."

"But you were exhausted, not lazy," argued Grace.

"I might make the same mistake on others. Please let me know when it's destroyed."

She went to the laboratory, but she was spared the trouble of destroying the liquid. The table, minus one leg, lay in one corner. Not a whole test tube could be found. The evaporating dishes were tiny bits of china. The floor was covered with the manuscript reduced to infinitesimal flakes of paper. The fine electrical machine—the doctor's special pride, for it was constructed according to his own model-was a complete wreck.

She closed the door and returned to make her report.

### SMILE PROVOKERS.

A society girl was out on a ranch recently. Upon her return, her mother asked if she had seen any little chick-ens out there. "No," replied the girl, "the woman told me none had been hatched yet, but she had four hens seated."

"Missus, do you need a hired man?"
"Well, yes; I'm looking for a man
who can do the chores, sweep and clean
the rooms, be polite and never impu-"Say missus, youse is looking for a husband."

ress.
"So I is, missus, but do you 'spose
I'd keep all dis money in de house wid
dat strange niggah?"

"Did you have a pleasant time at the picnic, Ronald? I trust that you remembered to masticate each mouthful one hundred times."

"Yes'm, an' while I was chewin' my first bite the boys et up all the grub."

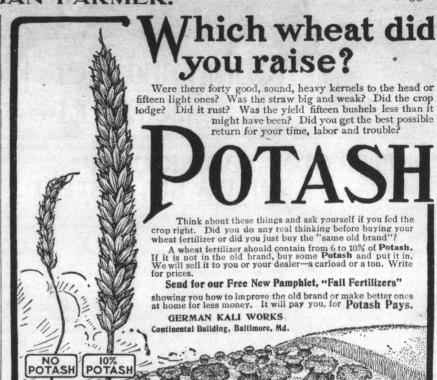
Grace laughed merrily, but she did his bidding.

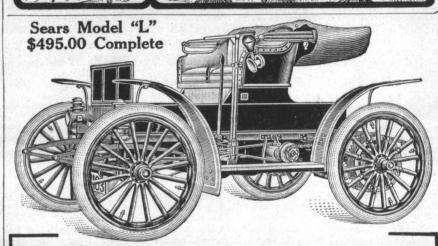
"My, but you have given us an anxious week!" She was looking down at him.

"Was it a week?"

"Of course. Didn't you know?"

"I'm afraid not. I became aware of time only several hours ago when they





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THE MICHIGAN FARMER, Detroit, Michigan.



### "BETTER STOP YOUR KICKIN" SMILE A BIT, INSTEAD."

"Better stop your kickin',
"Twon't help things a bit.
The kind of weather that you've got
Is the kind you're going to git."

The above is the motto of a girl whose ances. There isn't a girl in her entire set yet she is the jolliest girl of the friends than to herself.

Within a few years she has lost father and mother, three sisters and a brother, the family home, two positions that prom- goodness, I don't have a harelip. ised well, besides numerous other things which would worry most of us half to were really too small for her to notice. Yet this girl always has a smile and a joke when in company, and no matter plaint.

It isn't because she is so shallow that believer in the principle of keeping your the office every day at eight bells. troubles to yourself.

"What's the use of talking about my

just about even up. But she has thought have to work to hold it. street yell 'Hello, lemons,' after her. to me and grin.'

Say, she is always kicking about something and she is losing all her friends.

"I can't see anything in that. I don't want to lose my friends, too, along with hard luck is a byword to all her acquaint- my other losses, and I soon would if I was always complaining. Besides, I'm who has had so much bad luck as she, not the only one in the world who has had bad luck. Just suppose I had lost a crowd and the hardships she endures are leg or an arm or my sight, or had gone apparently more a source of grief to her and got tuberculosis? I always think of someone worse off every time I begin to get the blues. When I think of my poor complexion, I always think, 'Well, thank

"I get a lot of fun out of life that way, and it is a heap more comfortable than death, but which, beside her other trials, it is to not have any fun at all. Just because I've missed some things in life I don't see why I need miss everything that is good and spend my time croaking. how much she may bewail her fate in I'm going to enjoy what there is left for private no one ever hears a word of com- me, and let some one else do the grumbling.

"There's working, for instance. Most she does not feel her losses either. She of the girls I know growl because they does feel them deeply. But she is a firm have to work for a living and get down to don't feel that way at all. Why shouldn't I work, I'd like to know? If I didn't work bad luck?" she asks. It isn't going to for myself some one would have to work get me anything. Dwelling on the matter for me and I'd rather be independent. won't help me a bit and it will only make This sympathy for the poor working girl other people uncomfortable. Why, if you makes me tired. I don't want any symgo round growling and fault-finding all pathy. I like to work and I'm not kickthe time everyone gets so they don't like ing because I have to. I'm just offering up thanks because I have a job. I fancy "There's my sister. She hasn't had a that to be without one would be a lot bit worse luck than I have, it has been worse luck than it is to have one and

about how hardly she was used all the "No, sir, you'll never hear me kicking, time and talked about it so much that I know too well it won't get me anything. she has got so sour the children in the I'll just take the fate that is handed out DEBORAH.

and delivers and arranges the flowers in the homes or churches, wherever the services are held. Her good taste and tact are shown in this work more than in any other. Occasionally she sells and arranges the flowers for weddings, banquets, receptions and other social gatherings.

Any woman on a farm can do what Mrs. Foster has done if she has a telephone and lives within a reasonable distance from a railroad station. As proof that there is a field for such work in the country it may be said that a goodly share of Mrs. Foster's patrons are people from the surrounding farm country.

Indeed, a woman on the farm could do even more because she could have more ground to cultivate and more help in her work. Most of the plants could be arranged in rows for horse cultivation. very small amount of money and a large capital of energy and perseverance is all that is needed to start into the pleasant and paying business of raising flowers.

There are several magazines which one might read and find very helpful. Most of them are classed as farm papers so it may be readily seen that floral culture is considered a farm occupation aoinatna considered as much a farm occupation as a city one.

SEVENTEEN CHILDREN SENT TO COUNTRY.

Farmers Entertain City Poor for Fresh Air Society.

Thanks to the generosity of Michigan farmers, the Michigan Fresh Air Society sent seventeen boys and girls to the country for a bit of vacation, within one week after the society began its work. Out of the thousands of children in Detroit who need pure air and freedom, seventeen is a tiny number, but when we stop to think the average district school is made up of about this number of boys and girls, it seems quite a respectable showing.

Of the seventeen, nine were from the Home of the Friendless, an institution which cares for many "friendless" boys and girls. Mrs. D. J. Johnstone, of Flushing, took five boys and four girls from the Home for a week's outing, but at the end of that time she was so pleased with her young guests that she wrote another week! So the party is still on.

The boys and girls are equally well pleased with their outing. They have written Mrs. Grant, matron of the institution, telling her what a fine time they are having. One little girl was filled with

Besides the party which went to Mrs. Johnstone, Mrs. and Mrs. A. E. McIntire,

## Michigan Country Women as Money Earners.

### Floral Culture Is Both Enjoyable and Remunerative.

From early spring, when the crocus peeps when Jack Frost comes to destroy the

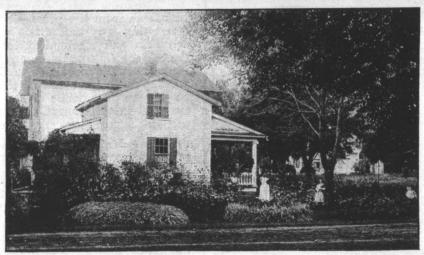
eight years ago with only a few plants and seeds. She is a great lover of flowers and of the beautiful, a person of discriminating taste and of great perseverance, so that in just a few years she has built up a business which amply repays her for the time and labor spent. She has always done all of the work connected with the business except the heavy spading and cultivating of the beds.

The first flowers which she sells in the spring are tulips, hyacinths and daffodils, all colors and all kinds. She sells pansy plants and the flowers also.

Decoration Day is "Mrs. Foster's day" in Plainwell. For many days before she is kept busy filling orders. Her telephone rings continually. She always has one or two large shipments of geraniums and other potted plants from Detroit, Grand Rapids or Kalamazoo. These she sells for 15 cents and up apiece. The geraniums all have one large flower and a bunch of buds. She has potted foliage plants, some selling as low as 10 or 15 cents each, sometimes two for 25 cents. She also has shipments of all kinds of cut flowers and special wreaths, etc. One may also choose from the flowers she raises and she will make up the bouquets, wreaths and sprays for a reasonable price. She always has to work very hard on this day but she is always kind and courteous to last year for the seed of the Royal Stripe, all. She does much good with her flowers. Many sick and afflicted hearts have She furnishes flowers for funerals in many been cheered and comforted by her beautiful offerings.

During the summer she raises nearly every plant that one could mention. Ev-

Plainwell, "the prettiest village of ery available inch of her lot is utilized in asking to keep the whole nine for Michigan," boasts of a woman florist, for some purpose. There are beds of Mrs. Florence Foster. Her beautiful home color, of green, of white and green and grounds are known as Foster Park. grasses, of cannas, gladiolas, dahlias, sweet peas, nasturtiums, golden glow, up and shows its modest head, until fall, bridal wreath, great hydrangea shrubs, syringa and rose bushes, and many, many last blossoms, her lawn is a veritable others, the names of which would sound joy over a five-mile ride she had taken. like Greek to most of us. Perhaps the Mrs. Foster started into the business most beautiful of her flowers are the as-



Mrs. Foster's Home and Gardens.

ters. She has given these special cultiva- of Schofield, have taken three, Reuben tion until she has two very choice varie- and Alice Weimer and Bennie Flanders; ties, the Florence Foster aster and the A. B. Hamilton, of Milford, has taken Royal Stripe. The latter is purple and Jessie and Allen Lebot, and Mrs. A. Borwhite, very beautiful and nearly as large as a chrysanthemum. She was given a Blinn and Nellie Kirby. large sum of money by Chicago parties

Her funeral work is very remunerative. of the surrounding towns and cities even. Instead of ordering directly from the greenhouses people order through her, be given a whole summer's outing. When it is possible, she goes in person

den, of South Lyon, is entertaining Merle

Some of these children will enjoy but a week's vacation. Others may stay all summer if their conduct pleases the family that has taken them, as several of the invitations contained a hint that if everything was satisfactory the child might

Anyone wishing to help in the work

### CHANGE

Quit Coffee and Got Well.

A woman's coffee experience is interesting. "For two weeks at a time I have taken no food but skim milk, for solid food would ferment and cause such distress that I could hardly breathe at times, also excruciating pain and heart palpitation and all the time I was so nervous and restless.

"From childhood up I had been a coffee and tea drinker and for the past 20 years I have been trying different physicians but could get only temporary relief. Then I read an article telling how someone had been cured by leaving off coffee and drinking Postum and it seemed so pleasant just to read about good health I decided to try Postum in place of coffee.

"I made the change from coffee to Postum and such a change there is in me that I don't feel like the same person. We all found Postum delicious and like it better than coffee. My health now is wonderfully good.

"As soon as I made the shift from coffee to Postum I got better and now all of my troubles are gone. I am fleshy, my food assimilates, the pressure in the chest and palpitation are all gone, my bowels are regular, have no more stomach trouble and my headaches are gone. Remember, did not use medicines at all-just left

off coffee and drank Postum steadily."
Read "The Road to Wellville," found in pkgs. "There's a Reason."

Ever read the above letter? A new one appears from time to time. They are genuine, true, and full of human interest.



and cause 2165 out of a total of 2960 fire losses to farm buildings during one year in one state, according to an official report of 111 fire insurance companies.

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TEACHER desires to assist in home of re-fined family living in country. Box 42. MICHIGAN FARMER, Detroit, Michigan.

should write to the Michigan Fresh Air Society, 69 Lafayette Boulevard, Detroit. The society pays all transportation and expects the country folks to furnish nothing but board. References are required that the society may know the kind of homes the children are being sent to.

### DRYING GREEN VEGETABLES.

BY LAVILLA W. MACOMBER.

Many of the green vegetables such as peas, string-beans, sweet corn, etc., are more easily dried than canned, and more healthful if canning-powder is to be used, since the powder by reason of its preservative qualities, renders the vegetable more or less indigestible.

Drying Green Peas,—After the peas are shelled and washed, turn into a kettle of boiling water and let boil briskly for one minute. Pour off the water and spread the peas on a drying-frame in the open air or on platters to dry slowly in the dry-oven. The one minute scalding is an important part of the process. If the peas are dried without scalding they will not soak out again. When wanted for use in winter, let the peas soak over night in water and throw into a kettle of boiling water to which has been added a fourth of a teaspoonful of baking soda. Let boil ten minutes to soften the skins which have been rendered tough in the drying, pour off water and finish cooking in your favorite way.

Drying String Beans.-Pick off only tender pods and snap off the ends, breaking into inch lengths. Drop into boiling water for one minute; pour off water and spread out to dry. When wanted in winter, soak over night and if you do not like the "beany" taste, cook in soda water as directed for peas; pour off after ten minutes and finish cooking in clear water.

Drying Sweet Corn.—The sweet corn should be freshly picked to retain sweetness. After husking and silking the corn, throw into boiling water and cook one-Lift to a pan and cool, score the length of the cob with a sharp knife and press out the kernel with a downward stroke of the edge of the knife. In this way the hull of the kernel is left on the cob. When wanted for use it may be ground into meal with the aid of a foodgrinder and made into a thick soup, or cooked whole after soaking awhile.

Drying Okra.—Use only young tender pods and plunge, after washing, into boiling water to which has been added a half teaspoonful of salt to a quart kettle of water. Boil one minute and split the pods lengthwise. Dry thoroughly and when wanted for use soak over night in

A cheap drying-frame maye be made by tacking white cheesecloth on an old screen-door frame, spreading over it a white mosquito bar to prevent flies from getting in. If a storm comes up it may be easily gathered up and the drying process finished in shallow cloth-lined pans in a slow oven, as, in the case of sweet corn drying, the wet corn might sour over night.

### SHORT CUTS FOR HOUSEKEEPERS.

When your feet are tired from ironing ing imperfect. or standing all day try changing your shoes and stockings. It is a rest. shoes and stockings. M. A. B.

On a busy baking day when the range observing these directions, followed by a oven is full to overflowing, try putting liberal coating of melted paraffin around On a busy baking day when the range the gasoline oven on top of the stove and see how much faster things move

strong soapsuds for an hour or two while strong soapsuds for an hour or two while usual to overflowing, screw the caps on new. Let the suds come well up over the tight, and allow the jars to stand until brush. It softens the straw, and removes cold, tightening the covers as the glass some of the dye, which tends to make the shrinks. Then the tops of the cans are brush break easily .- Mrs. E. G.

out of the way.-Mrs. F. E. F. drank, will cure neuralgia.—Mrs. H. G.

by the stove to dip the fat over them, cost of the paraffin is so slight as to be put in a table spoon of hot water and almost nothing. It can be purchased at cover quickly for a few minutes. They any drug store for a few cents a pound. will be perfectly done without a wrinkle I have found that nouring the maltin them.-Mrs. G. A. R.

soiled pieces, pour on more ammonia, roll outside treated as above. up, and tuck down under the suds. Covclothes as white as snow.-F. R.

THOSE UNINVITED GUESTS.

I would like the question discussed in your columns, about uninvited company. Yourself, or other members of your family are in no way obligated to them. Is it right or just, when you can scarcely drag around and do your own work, overworked beyond the limit of endurance, not able to hire help, even if you could get them, is it just for company to be makingarrangements, and know they are intending to come, for several weeks, never to inquire if it will be convenient? When the doorbell rings you are supposed to greet them with smiles and entertain them as long as they see fit to stay. enjoy company, but these "hangers-on," how can they have the heart to do as they Nearly every family has them.

TIRED MOTHER. Hillsdale.

### THE KITCHEN SLATE.

BY MARY ROLOFSON.

No kitchen is complete without a slate with pencil attached, hanging within easy reach. The home-maker has so many things to do, and many of them very little things, that she cannot help forgetting some of them; or if they are not entirely forgotten they are not thought of at just the time when it is easiest to do them.

A list of things to be bought should go on this slate and each should be written down as soon as the supply runs low. This would prevent one's being out of salt or thread, or ink, or any household necessity; and it would prevent the usual cudgeling of wits and memory when the grocer's boy comes around or when one goes to town.

If you borrow a book or a pattern, or if someone borrows something of you, put that down on the slate. The article will stand more than ordinary chances of being returned. A bit of mending to be done, outside of the regular weekly work; something to be hunted up, or to be put away; reminders of a note to be written or a call to be made-all these belong on the slate. And as an aid to letter-writing the slate will be found very helpful. Who has not had the experience of having a great many things in mind to write to a friend when a washing or a baking was on hand and the writing could not be attended to? Perhaps by this time you had a chance to write the letter you did not feel in the mood for it and could not think of half you had wanted to say. A few notes on the slate put down when your mind was fresher and more active would be a boon.

### THE USE OF PARAFFIN IN CANNING.

BY ELLA E. ROCKWOOD.

By the use of proper precautions in preparing fruit for canning there should very little loss from fermentation. Sterilized jars, new rubbers and perfect fitting covers are necessary. Fruit which is not over-ripe is another necessity, since it is very difficult to totally destroy the germs of fermentation once they have formed. The rubbers, of course, are for the purpose of excluding the air and old ones are almost sure to cause trouble since after one year's use they are apt to become hardened and render the seal-

I think I am safe in saying that the loss from fermentation of canned fruit may be reduced to practically nothing by the outside of the can at the top. Since beginning this practice I have not lost Brooms wear much better if soaked in a single quart of fruit. I fill the jars as either plunged in a cup of melted paraffin or the latter is poured around all sides of Common field thistle leaves steeped and them with a spoon, ensuring a perfect rank, will cure neuralgia.—Mrs. H. G. seal as the wax cools. Fruit sealed after When frying eggs, instead of standing these directions will keep indefinitely.

I have found that pouring the melted paraffin over the fruit after it is in the The greatest help on wash day is plenty cans, and then fitting on the covers does of household ammonia. First, put some not prevent mold from forming, but I in the warm suds in which the clothes are have never been troubled in this way put to soak; then rub soap on the extra when the cans were properly filled and the

The paraffin forms a good preservative er the tub over closely and let soak an for jelly by putting a few spoonfuls of the hour or two, or over night, as convenient. melted article over the tops after the A little good pounding, right in the tub, contents of the glasses has become firm. and the dirt will come out like magic. Jelly should always be protected from Scarcely any rubbing will be needed, dust while cooling as it forms an excel-Rinse well in plenty of hot water and lent medium for the retention and transhang up. No boiling, nor fussing, and mission of germs if left exposed for even a few minutes.

## From Bakery to Farm

Soda crackers are a long time on the road to the country store, and from there to the country home. But

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A package costs 5c.

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Dear Sirs:

In warm weather I bale an average of 14 to 16 tons or better; in winter 10 to 12 tons per.
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Farmers put hay to the press and take care of the bales, so three of us run the press. Get \$1.00 per ton for 2 and \$1.10 for 3 ties. I figure my profits about like this:

Winter, say 11 tons per day, \$11.00 Expenses, 4.00

Expenses, 2.00
Profits per day, \$7.00
Warm weather, 15 tons per day, \$15.00
Expenses, 4.50

Expenses,

Profits per day, \$10.50

Have baled 17 tons in a day; 9% in one-half y; 6 tons in less than three hours.

One dollar per year will pay all expenses for particular per year will pay all expenses for particular per year.

J. L. FELLOWS,

R. F. D. 5.

South Haven, Mich. Alex. S. Gardiner,
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Huntington, N. Y.
WICH Mro. Co., Sandwich, Ill. SANDWICH Mrs. Co., Sandwich, Ill.
Dear Sirs.

The Sandwich Belt Power Press stands up to
its work good. We tried to break it if we could,
but could do nothing in the way of breaking it.
It was always ready to take the hay. We pressed
one bale per minute—160 lbs. to the bale. Me
works so good thought I would send you my
check for the press, which you but had not good on the amount of your bill.
This man I have had and sold and this
beats them all. Yours truly. Hotel Clinton, Clinton, Wis., April 24, 1910. Mrs. Co., Sandwich, Ill.

Sanwich Mrs. Co., Sandwich, III.

Dear Co.:

Answering yours of the 23rd in regard to expense and profit, I will state that I bought this Sandwich press of Andrew Bradt and have run it one month.

Now I run the above hotel and am not with the machine, but hire five men and a boy to drive, which costs me \$8.75 and I get \$1.75 pct on for baling. I told the boys if they averaged ten tons per day I was satisfied, which they do very easy. One afternoon they pressed 176 bales that averaged 95 lbs. in 4% hours to see what they could do if they worked good and swift.

I think the press will clear me \$6.00 per day and I never go near it and an old press at that.

With best wishes, I remain.

(Signed) GEO. H. AMOS.

"New Way"

A. W. SKINNER, of Augusta, Ill., says:

With the Sandwich Two-Horse Press I can
easily bale an average of ten tons per day,
at an expense of 45c per ton. The price paid
per ton is around \$1.25. This leaves the baler
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I bought in 1900 and 1902 are still 0. K.



Size of bale 46x23x19 inches

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