"THE FARMER IS OF MORE CONSEQUENCE THAN THE FARM, AND SHOULD BE FIRST IMPROVED."

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A. C. GLIDDEN, Editor,

PAW PAW, MICH.

Sugar Beets for Analysis.

IMPORTANT TO SUGAR BEET GROWERS.

Ag'l College, P. O., Oct. 9. Seed of the sugar beets has the state for experimental investigation during the year 1891. Some parties are asking when the beets should be sent for analysis and the quantity required.

The beets should be left to grow till fully ripe. The quantity of sugar in the beet is increasing all the while up to full ripening. When the outside leaves die and fall off, or when the weather becomes so cold that further growth is not to be expected, it is then time to gather the beets.

QUANTITY NEEDED FOR ANALY-SIS.

weight of medium sized beets. the root, and fill the channels Liberty Farmers' Club was held tainly be identified.

each kind of beet raised, and one-eighth of an inch long. The chaplain for the remainder of the mail the same to the Agricultural College after the beet harvest:

- 1. Kind of soil.
- Time of planting.
- Name of the beet. Distance between rows.
- the row.
- 6. Time of harvesting.
- beets. 9. Name and address of the

farmer. because it varies so widely ac- caying house, which thus becomes the gaming table, the hotel or cording to locality. An estimate a tomb, the larvæ must die. The saloon bar, with an empty beer of the yield and cost of each remedies sometimes recom- mug before him; or if he is a

the public.

for analysis have been selected the and therefore, when the third had a series of toothaches; you balance of the crop remains for year comes, there is but little or will often meet him on the street the farmer and should repay him no clover to plow under, and secfor his time and trouble, as food ond, although the insect does at he can raise five hairs on one for his stock.

ance with his plan will be analy- the letter quoted from above, its zed as stated. But if these con- attacks are more destructive the which they will settle down and ditions are not fulfilled, they will next year, so that, if the plowing become smart, nice men. But we receive no attention until all the beets have been analyzed that spring, a well fed crop of mashall ye also reap." Please look going conditions.

for definite information for the struction. Besides, it is not good mother, listening to her the gratification of individual cu- autumn plowing that destroys injunctions. He prefers the society riosity. Information is wanted the insects. which will throw some light on the question of the beet sugarin- pasturing after the first cutting has time to learn the popular dustry in Michigan. Any assist- until the close of the season. This saloon games which lead to the bred in the bone. ance that the Experiment Sta- also will be of no avail, for the gaming table; is a total abstainer

ysis of the beets, it will be ap- before the time of pasturing. parent that the chemical department will not have much time to first cutting of the clover cannot farmer boys would be willing, to say that it is not as necessary be of no use to the public.

the same neighborhood have of the cutting of the hay to do with a single suit of Kentucky est kind of a book keeper. Bebeets for analysis, they may be any serious damage. If the clo- jean, and only seventeen dollars cause the entries upon his books sent by express or freight if properly marked and accompanies econd crop matures the larvæ pay his expenses, as did a lad varied form; for he has business ied by the information required. are destroyed. It follows there-some years ago. When by with the merchant, the banker, Is it asking too much for the fore that there is not the slight- accident he tore his only pair of the broker and in fact with every sender to pay the expense of est necessity for abandoning the pants, he had to go to bed early body. He should have a knowsending the beets to the college? growing of clover for a term of to have them mended so he could ledge of Chemistry for that will The seed was sent free of charge, years in any locality in order to and the analysis will be made get rid of the pest. Some have Seminary he worked his way of the atoms of which his produce R. C. KEDZIE,

The Clover Root Borer.

Prof. Shaw, of the Ontario Agricultural College, appealed to by a farmer to know what insect is destroying his clover so that its roots die and can be kicked out of the ground, writes the Toronto Globe:

The clover-root borer when matured is a small, hairy, brownish-black beetle, a little less than a tenth of an inch long. In the spring the female deposits from four to six eggs in a cavity bored in the crown of the root. In a few days the eggs hatch and the Send three beets of medium larvæ at once commence their size of each kind raised. Very indien journey down the principal roots of the plant. They tain less sugar than the same feed upon the inner substance of within the root of the clover, and emerge as adult beetles, usu-sponded to by Mrs. D. H. Speer,

b. Distance between beets in within the root of the plant. Beets that are sent in accord- of the first cutting as stated in

tion can render to the solution of eggs are laid in the crown of the from all intoxicants, scorns to join Choate—"What Mother Thinks"

more or less, are asking for anal enough to be out of harm's way patch. A true gentleman must

spare for investigations that will be seriously affected, as the larvæ through a mothers advice, to for the farmer to be educated as deposited by the beetles are not change his plan of going to sea, for any business man. I think When a number of persons in far enough advanced by the time to that of entering a high school, the farmer should be the shrewdwithout expense to the farmers. advised that this should be done. through college without ever is composed, and of the kind and Clover may be grown every year, having a nice suit of clothes. quality of his soil. I might go been sent to about 400 persons in Chemist of Experiment Station, but it must also be sown every Always adhering to the right and through an innumerable list, and year, as we get only one cutting, the council of his mother, and we would find the greatest need so long as the insect gives trou- ever striving to make the world for each study to the farmer. ble. The regular rotation may better for his having living in it, The word education came from the in this way be disturbed, but it is and finally battling for the right. Latin and means to draw out. disturbance that is not attended laid down his life at the head of How beautifully illustrative of with serious consequences. In- our government by the hand of this is the farmers occupation; deed, it may prove helpful in an assassin. The Rev. John for does he not draw out from some localities, as it will tend not Smallwood is a very black negro, the bosom of mother earth all only to destroy weeds where well educated and eloquent, work- the richness of her life giving these are abundant, but it will ing for the elevation of his race power he can possibly get? Acimprove the land through the through education, temperance cording to Plato "a good education plowing under of the second and morality, born a slave, his consists in giving to the body growth of the clover. It may father and mother were sold be- and the soul all the perfection of also render it necessary to grow fore he was six months old; has which they are susceptible.' timothy by itself, but this may six sisters and five brothers Kant says "there is within every readily be done. It is, therefore, easily possible to keep this troub- He at one time blacked boots for which he was created, the germ lesome insect at bay.

The Liberty Farmers' Club.

The October meeting of the Each kind of beet should be which they excavate with a saw- at the home of Mr. and Mrs. Jas. plainly marked so that it can cerdust-like excrement. The larvæ Buck on Saturday, the 3d inst. becomes full grown late in the After the usual prelminaries body is whitish and the head yellow. They then change to pape was "Simeon Pond Farm."

ally in the early autumn. They she said: Webster says, in the very much. generally hibernate in a cavity United States a gentleman is a Mrs. M. E. Wetherby: man of gentle and refined man-From the life history of the ners, irrespective of his condiinsect, the mode of destroying it tion. A man of education and Tons per acre of beet roots. becomes apparent. As the beetle good breeding of every occupa-8. Cost per ton of raising the does not reach maturity until tion. In Great Britain the term about the month of October, it is is only applied to those who hold plain that if the clover is plowed a middle rank between the nobilunder in late summer, the plant ity and yeomanry. When we The rent of the land should must decay before the beetles look for the average young gentlenot enter into the above estimate reach maturity. Within the de- man we find him at the club dance, kind of beets is wanted to deter- mended are, it seems to me, young gentleman of means, a mine which kind on the whole is wide of the mark. For instance bottle of sherry or gin, and his best suited to our soil and cli- it is stated by some who have jolly comrades about him. He written upon the subject, that no always removes his hat when he The specimens of beets raised better remedy is known than to enters a room where ladies are. and furnished to the Experiment plow the infested field in the never swears or is found drunk Station, according to the forego- spring of the third year of the in their presence. He speaks of ing plan, will be analyzed free of clover. This advice is of no use his mother as the old woman, charge and the results of both whatever, for the reasons, first and of his father as the old man, kinds of investigation given to that the common red clover on or the governor. If you find him puffing a cigar as soon or before tack the crop during the season side and two on the other of his upper lip. It has been said boys also. must sow their wild oats, after were sent according to the fore- tured insects will be ready to at the picture of our ideal of a march to another field to com young gentleman. From early The Experiment Station seeks mence again the work of de-childhood he is the confidant of a good of the public, and not for spring plowing so much as early wise councils and to a good fathers' of good books and periodicals Some authorities recommend to that of dancing halls; he never

be a gentleman at heart, in secret by E. A. Kennedy. No one with It is clearly apparent that the as well as in public. Who of our good sound judgment will attempt scattered, and strangers to him. man a divine ideal, the type after statesmen at the Capitol; has of a perfect person, and it is the G. Blaine in a lecturing tour.

young gentlman should keep the farmer; for there is within away from saloons; they should every seed the germ of a perfect have their ideas higher. Take plant, and it is the office of the Fill out the following blank for summer, when they are about Mrs. M. E. Wetherby was elected their mothers advice, and strive farmer to plant this seed in its to become noble.

> gentlman who is not foppish and these germs or plants. I am glad who does not go to saloons and that I am a farmer, for his work smoke. I did enjoy that paper is so much more like the divine

> forming of character begins with development until the soul has the mother. Children should be trained to shun these things. It to Himself So the farmer prois of very little use to try to restrain the boy if he has not pares his seed, plants it in the been restrained in childhood. A young gentleman is one who and does all he can to favor its honors God, and refrains from evil habits.

in his heart to honor God will be

themselves gentlemen, who are are any who need a high educanot. They can dress well, and tion it is the farmer. The higher take the ladies out riding; many the education the better. If these parents have tried to teach their gatherings are kept up they will sons to be gentleman, who were help very much in educating him. led astray after leaving home.

J. D. Crispell: It seems that if there is a notorious criminal, which the insect is most prone to in a parlor car he has a bunch on all women are after him, A man After the few pounds of beets prey is in most soils a biennial, one side of his jaw as if he had must thoroughly respect himself, mane spirit and feel it all the way then he will be a gentleman.

> would refuse to go with young ally and physically, as men. As men who drink. it would help; book-keepers, type-writers and but there are women who drink teachers they excel, and on the

> W. E. Kennedy: As children grow up they should be taught to something pratical, and come in contact with the world. Sometimes they are taught so much morality that that is all they know. When they get away a wrong and existed till men, backed up by women, overthrew from their parents control anyone can get them to do wrong.

> R. C. Cary: These things reach farther back than the parents than men who frequent saloons, training. These traits of character are hereditary; they are bred in the bone. than the parents and only vote as they have been trained. How many women do you find in the prisons, jails, etc.

A recitation by Miss Lucy in proportion to the number of that question will be cheerfully plant before the first cutting, and in night raids on his neighbors was very nicely rendered.

given. But when 400 persons, the larvæ are burrowed deep peach trees, grape or melon "THE NECESSITY OF EDUCATION AMONG FARMERS,

> educated himself, and a few years office of education to favor and ago was the companion of James direct the growth of these germs. It seems to me the definition of Mrs. R. D. M. Edwards: A Kant is the more applicable to proper season and then do all in his Mrs. Esther Choate: I like a power to favor the growth of is any other man's. God prepares the germs and plants them withto Himself. So the farmer pregrand old earth, then cultivates growth until it has ripened, when he gathers in the sheaves.

> R. D. M. Edwards: That was a G. Shafer: A man who has it grand paper, I hope the time will soon come when the educated a gentleman. He can't help but farmer will not be held back by the ignorant one who thinks any G. G. Pond: So many consider one can be a farmer. If there

"WOMAN AND HER FUTURE." Wm. West: This is a very important subject. I hold the most liberal view, and hold it in a huhen he will be a gentleman. through. Women should have the same rights, politically, morplatform they are a long way ahead. And who has the right bar her out? or where they get the right to what her right shall do be? She should have the right in all occupations. Slavery was backed up by women, overthrew it. Men have shown themselves incompetent, politically. She is better qualified to cast the ballot

> men that are there? This shows (Continued on 5th page.)

Farmer Pease and "The Poet's Corner.

"Say, if you've got your dishes done I wish you'd jest look here: Do they print this sort of stuff for fun? Or is its meanin' clear To fine-grained folk, say, such as you And the parson and his wife: It may be plain to just a few, But I can't, to save my life. Find the 'mystery beyond the stars' This poet tells about, As he 'climbs the pearl and crimson bars The night winds put to rout, And scales the pinnacles of gold That flank the western sky To view the towers of heaven aflame,' Or, to see 'a grey day die!' If they mean sun-down, why, good land! That's an easy thing to say And then, they might tell what took place

"Now, I like poetry, first class, And never skip a line, But 'nj'y a little scrap of varse As an old-time nurse does wine But I like a drop of sense mixed in, And I want to see the point The rhymester's quill is drivin' at 'Thout twistin out of joint. Eighty years I've seen the nights grow dark And felt them gittin' chill, Without seein' them 'clouds of blackness Seize with icy clutch the hill

About that time o' day.

"Now such a rigmarole of stuff Don't mean the fast real thing; It just goes jingalin' along As August crickets sing. I always know what Shakespeare means And I love to read the Psalms, I can follow Willie Carlton, too, About the hills and farms, And, wife, when you read Whittier I'm filled with sweet supprise, But translucent, lambent minshine Is too much for my old eyes.

"Now, I wish you'd write the editor That I'm laid up on the shelf-If my fingers, wife, were not all thumbs I'd write it out myself-Say I can't do nothin' much but read, And his paper's all the world To a plain, shut-in old soldier Whose flag of life is furled, And when he puts in poetry, Please won't he take the time To find some that means somethin', And ain't jest a string of rhyme. -Annie A. Preston, in Springfield Rep.

Improvement in Making Manures.

The labor of handling, hauling and spreading the manure evenly is a large factor in the expense and yet there is a loss of time to the farmer in handling the manure that might be avoided by extra care in preparing it before the period of hauling it arrives. The finer the manure the more easily it can be handled and spread, and the true method of loading it with the shovel instead of with the fork, as any kind of manure for war. The best estimates that that cannot be loaded with a shovel, the same as with dirt, is not in a suitable condition for for the purpose of benefiting the of the benefit of the manure may crop. not be realized until the second season, yet they always desire to secure results as early as possible.

That it is economical to place

all materials in the heap, to be reduced by fermentation, is a fact well known, but the reduction of the materials to that degree of fineness and solubility that renders them immediately available as plant food depends largely on the kind of materials and the degree of heat generated in the heap, as well as upon the management given the heap. Unfortunately many farmers never handle the manure in the heap until they are ready to haul it out upon the land, the con sequence being that some portions are fine and others coarse. The object here is to impress upon farmers the importance of making all material fine before adding much to the heap. Leaves, chaff or muck may be added to the heap without preparation, over last year. That of the but straw, cornstalks and all United States was given as 545,other coarse materials should be 000,000 bushels, against 399,000,passed through the cutter. Some | 000 bushels last year. This great will claim that when straw and gain in the United States created corn stalks are thrown in the quite a sensation. But later accattle yard they are trampled counts than those at Vienna, fine, which is true to a certain from the spring-wheat districts extent; but they are not useful as absorbents until they have been belief that the wheat crop of the trampled over for quite a while, and not as serviceable as when cut. A comparison between chaff given above- The opinion was it arrives at this conclusion: One and corn-stalks as absorbents will easily show the greater value United States would suffice to agricultural soil contains 4,000 of the finer material.

There will be some expense of fine the conversion into plant Michigan Farmer.

food is more rapid. The labor saved in handling and hauling The beautiful Summer is loth to go, such manure, and its greater Its heart is warm and it loves us so value as food to the plants is Until its has lingered its love to tell; crop being greater; while the Is listening now for its parting song. saving in the use of many waste Never before were its gifts more bright, materials will be quite an item. — The sunflower lifts its face to the light, Philadelphia Record.

The Requirements of Europe.

requirements of France and other With the drooping fern, and the bracken tall; Continental countries in Europe But the fading leaves are beginning to fall, the effect that it would be a hard matter to calculate it this year. It was not a grain question. Considering grain alone it has been of harvest blessings go on before asserted that the shortage would And homes are vocal, and thankful praise be, on wheat and rye, between 300,000,000 and 400,000,000 bushels, but that that was but a small part of what would be required to meet the needs of For the Lords of the seasons will give us the bes Europe. The potato crop of And every month has its joy and rest. Europe amounts, generally, to about 3,000,000,000 bushels, divided up about as follows, on an average: Germany, 800,000,-000 bushels; Russia, 520,000,000; France, 390,000,000; Austria, 300,000,000; Hungary, 90,000,000; the United Kingdom, 300,000,000; Belgium, 90,000,000; Sweden, 75, 000,000; Spain, 60.000,000; Holland, 50,000,000; Switzerland, 30, 000,000; Italy, 20,000,000; Denmark, 12,000,000; Portugal, 10, 000,000; and other regions of the Old World, in all, about 60,000, 000 bushels.

The potato crop in the United States is only about 200,000,000 bushels, and the country, it is claimed, would not be in position to ship any considerable quantity. This year from a variety of eauses the European potato crop is a failure, and at the largest estimates will not exceed 65 per cent of the average crop. Potatoes constitute the main food of vast numbers in Europe, and the sole food, almost, of many millions. It is this terrible shortage which makes the outlook for the food supply abroad so gloomy, and it stead of buying powder and ball for grain vary from 500,000,000 Farmers who use manure do so kind of grain, wheat or corn, to crops as soon as possible, as in grain and the enormous loss

> smaller countries and subdivis- causing an undue stringency in ions, the showing as to wheat the home market they can rely and rye was as follows, the figure | upon receiving public sympathy 100 representing an average crop: in the effort.

Too rebrossman-9	
	Wheat
Austria	
Hungary	100
Prussia	92
Bavaria	78
Italy	86
Belgium	26
France	64
Great Britain and Ireland	95
Russia-Podolia	100
Bessarabia	70
Poland	82
Central	
Cherson and Zekate	
Kurland and Lithuar	nia 95
Northern	45
Paus	O.S

The wheat production of India was set down at 6,820,000 tons. being an increase of 700,000 tons of the Northwest, authorize the United States will be fully 50,-000,000 bushels larger than that expressed that the harvest of the foot in depth of a fairly good balance the deficiencies in Russia pounds of phosphoric acid, 8,000 and in Western Europe; but of pounds of potash; 16,000 pounds labor in cutting coarse materials; this we have grave doubts. If of nitrogen and lime, magnesia, but it will be a gain of available plant food. Corn-stalks are protected by a silicate covering pro and disintegrate very slowly. If plus wheat of the United States can feed per acre. After farmers Patrons. I am always glad of passed through a fodder cutter, would probably do this; but with by careful and skillful cultiva- an opportunity to say a good word chance, until your Grange is and used in the stalls, they will the present outlook it seems tion have exhausted all the great for this concern, their paints and square on the record. Quite a serve as bedding and for absorb- probably breadstuffs must be store of food in the uppermost business methods. ing the liquids, and as the come scarce and dear before foot of this soil, which will rematerials of the heap are another crop can be gathered.— quire several centuries, will the

October.

apparent, the benefit to the first But the world it has cherished and cared for long

The dahlias are raising their snowy heads, And the colors are gay in the garden beds, While the roses are trying to stay till the last, Yet the glory of Summer must soon be past.

Very fair is the woodland scene, A question as to the probable With the bronze and scarlet, the gold and green for grain has been answered to And the swallows have gathered to take their flight To the longer day and shorter night.

> The Summer has kept its promises made When the year was young: so, undismayed, We may face the Autumn, for goodly store Shall fill the air in October days.

So we bid the Summer a glad farewell; As a friend it has loved and served us well, But this is a world in which none may keep The brightest long, yet we do not weep, -Christian World

The Farmers and the Grain Speculators.

Nobody can blame the western the middlemen and speculators. average price for wheat for the almost unprecedented scarcity?

The course recommended in all respects the wisest which the

In 1867 and 1868 wheat reached \$2.21 per bushel in England. The policy of our farmers is grain in hope of making better calling are coming to the front bargains than they are making in public affairs. Last year the now. The circular estimates that very substantial granaries can be constructed to accommodate 1,500 bushels at a cost of 4 elected the Governors of Tennecan be insured at low rates and and one or more Congressmen in would furnish a good security for loans as elevator receipts. Whether this is a reasonable the farmer the benefit of the situation and protect the market from the rapacity of the speculator is the rational thing for the farmer to do.—Brooklyn Eagle.

Is Soil Inexhaustible?

The American Agriculturist practically says no. This is how soil be exhausted? Not at all. (See adv. Patron's Paint Works.) members know it.-Grange News.

As the land is gradually changed into vegetable growth, and the surface is removed as farm crops. as it gradually deepens, the subsoil which contains the very same elements becomes fitted for plant lence: The barrel in which the food. And thus the imperishable nature of matter applies to the soil, which can never be exhausted during all the ages which are to come. All that mankind has a suspicion of taint remains the to do is to use its arts, under the meat will spoil. A barrel which instruction of science, to develop has held any kind of liquor will this latent fertility of the soil, and to go on feeding the human barrel does nicely. race until the end, if an end ever shall come, when the earth shall no longer exist as a fit habitation for mankind.

High Priced Wool.

Forty cents per pound for fine delaine wool was what the Gilbert manufacturing company of Ware, Mass., gave for the wool that entered in the prize competition of the American Wool Reporter. This was 10 cts. more than the market value of ordinary high delaine. The Reporter offered prizes to growers for the best preparation of wools for market, farmers for organizing to protect and because the wool was so well themselves from the cupidity of prepared is why the Gilbert company paid a gilt-edged price for Their argument that, with a it. Most farmers, especially those European demand for bread-east of the Mississippi river, tie stuffs four times in excess of our up their wool with heavy twine ability to supply it, American and put in the whole fleece. At wheat ought to command an un- the factory the fleece has to be usual price, is a good one. But sorted into several qualities and the Chicago 'change men assure the tags, skirts, belly pieces and them that \$1 per bushel in that others taken out. If farmers city is the highest figures would do part of this sorting and European dealers will stand. take out the tags and skirts, they This seems all the more extraord- would get a higher price for their inary for the reason that the wool. Many Texas and Western growers have worked up a repulast thirty odd years in England tation by doing this, and the has been \$1.41 a bushel, on a higher price received is more gold basis, which is equivalent than enough to pay for the to \$1.21 in Chicago. Why should trouble. Fine twine should also it be less now in presence of an be used in place of the heavy coarse stuff.

The prize for the cleanest and the circular just issued by the most neatly packed fine washed Farmers' Alliance may not be in fleece grown east of the Mississippi was awarded to John Drumwheat growers could follow, but back, of Newark, Ohio. This so far as it advises them to "go wool was fine in quality and was is thought that for once in a way slow" in the matter of making tied with not more than 10 feet European governments may be contracts with the dealers it will of twine, which weighed less than compelled to use their credit to be apt to meet with general approved by food for their destitute in-A more sordid, reckless and the prize for the sack containing selfish set than the grain specu- the cleanest and best-handled can be secured as to the extra lators of the lake city does not unwashed wool grown west of needs of the Old World this year exist. Their "corners" have the Mississippi. The soundest, done more to provoke indigna- best grown, and most desirable providing plant food immediately. to 700,000,000 bushels of some tion than any other form of long staple Merino or fine delaine gambling. They have manipulat- wool was sent in by J. E. Tinkmake good the large deficiency ed the market for a prime article ney, of Bellville, O. This wool of human food without a thought was a very fine grade and comthough they are aware that much of the more important potato of the distress and suffering it pared well with Australian wool 1, or half-blood wool.

The farmers are getting their innings now. More than ever before in the history of this country, since those early times when farmers constituted almost the clearly, therefore, to hold their entire population, men of this farmers elected an overwhelming majority of the Missouri House of Representatives. They also cents per bushel, and that they see, Georgia and South Carolina, two of those States. besides Congressman in Kansas and a number of other Northwestern States. estimate or not, the adoption of In the election just held in Kensome plan calculated to secure tucky they have elected a majoriy of the Legislature. In Maryland they have nominated and will elect the Governor. In Louisiana they will elect the Governor and other high officials. And in all these cases, with the exception of Kansas, they accomplished this, not as an independent party. but by going to the polls and controlling the old parties. Laws we want, and farmers are being elected to make them.—Farmers Friend.

Erie Co.. Ohio. Sept. 1st, 1891.—Ifully endorse

Yours Confidentially, J. W. RAWSON.

Curing Pork.

M. W. M. (p. 685) asks for a sure receipt for curing pork. The following plan has the experience of years to back its excelpork is to be pickled must be perfectly clean. If a barrel is used for this purpose a second time it must be cleansed perfectly, for if not keep pork, but a molasses

Cover the bottom of the barrel with salt. Put in a layer of pork. turning the rinds toward the sides of the barrel, and packing the pieces as closely as possible. Fill all spaces and cover the meat with salt. Continue to pack in this way until the cask is nearly full, using an extra allowance of salt for the top. Fit a clean board to the top of the meat, and keep it in place with two or three clean stones. Now fill the barrel with saturated brine, and be assured that your side pork is well packed. It is wise to watch the brine, however, if the weather is warm, and if it looks in the least red or moldy, pour it off, scald and skim it, and when cold drain it into the barrel. If there is not enough brine to cover the meat, put as much salt into a pail of water as it will dissolve and drain it into the barrel.

Ham and Bacon.—Pack the meat in a sweet, clean cask, and cover with brine made as follows: Take half as much water as will cover the meat, and put in all the salt it will dissolve; add the other half of the water required, with two quarts of molasses and a quarter of a pound of saltpetre for each hundred pounds of meat. In six weeks the meat will be ready for smoking. It should be hung in the smokehouse for a day or two before the smoking begins, to dry off. In warm weather a dark smokehouse is necessary, to guard against flies. As soon as the meat is sufficiently smoked. which is largely a matter of taste, each piece should be enveloped in a strong paper bag fastened securely so no insect can get through where it is tied, and hung in a dry place. Our last ham was cooked late in July and was perfect.—S. A. Little, in Country Gentleman.

Autumn Foals.

The fall colt is weaned at a time when the outlook is good for rapid growth, as the spring grasses are about to start. Weanmight cause. They evidently in quality and staple. It was tied ing is a critical time and a good As to the European crops, the International Corn Market, crop failure abroad to absorb the were chaffy about the neck, which Again, flies do not damage the which opened at Vienna August profits in view from the extra de was caused by feeding at a stack lusty colt six or more months old 30th, had presented to it the mand for American wheat. If or by some other bad method of as they do the infant of a few results of the harvests in Europ- the farmers can defeat this pro- feeding. John Ross, of Crawford weeks. The fall foal comes to ean countries, prepared by the gram without carrying their county, Ohio, was awarded the hand strong from a dam that has best statisticians. Omitting the counter plot to the extent of prize for the most desirable No. had steady work all summer—a good thing to influence his entire life and disposition. Lack of exercise is unquestionably the cause of so many weak and dead spring foals. In winter the mare is driven irregularly or not at all and either condition is inferior to steady work; Winter offers to the farmer and his family a time to train the colt which the severe work of the warm season makes impossible. The colt's box may be kept warm and light and many an hour, which could not be spared from summer work, can be spent handling the future roadster. Training at this age is more effective and lasting than at any other and is far easier, the colt being more tractable. He should be kept under control from his first hour and never know his strength. Every good farm mare idle a part of the year should pay her board by producing a first-class colt and rearing it.—A. C. West, Orange county, N. Y.

> I would be glad if every Grange in the State would call up its Secretary at the next meeting and ask him, or her, this direct and blunt question: "Are all the quarterly reports due to the State Grange made?" If the answer the same surly query at every number of active Granges are away back on the delinquent list, and very likely only a few of the

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Speech by John Trimble, Secretary of National Grange, at

Holiness, Leo XIII, on "The Condition of Labor," delivers some us who are human."

man's own industry, and the laws of individual peoples. Now, when man thus spends the industry of his mind and the strength of his the wisdom of farseeing men, body, in procuring the fruits of not for the conquest, but for pronature, by that act he makes his tection and resistance to aggresown that portion of nature's field which he cultivates; that portion on which he leaves, as it were. the impress of his own personality. For the soil which is tilled and cultivated with toil and skill, century has not tarnished, as the for pessimistic wails and howls. E. Waring, Jr., says: "The farm- which bears most hardly on the utterly changes its condition. It record of legislation under its was wild before; it is now fruitful. It was barren; and now it brings forth in abundance. That oppressed condition proves. Adwhich has thus altered and improved it becomes so truly a part of itself as to be in great measure indistinguishable and inseperable

Of course the main thought in this quotation is as old as Solomon. "The profit of the earth withdraw to organize offensive is for all; the King himself is served by the field." But there American agriculture, and to was something so consonant to grasp at political power by a resound Grange doctrine in the sort to the methods of partisan statement of the relation of mind to the productiveness of the soil, and something so familiar in the power of truth and justice plainly wording of the statement as to presented and persistently urged, set me upon an investigation, whose results I am able now to

National Grange of the Patrons of Husbandry, held at Atlanta, Georgia, November, '90, Brother sonable and intelligent claimant, Ava E. Page. Chairman of the and its utterances command re-Committee on Agriculture, re-

the earth, and he was required to labor in unison with the forces those things necessary to his use vidual members. and happiness. To unlock these hidden resources and utilize the in the North American Review for of fruitful results, in the ratio of any decent show of regard for Statistics show, that, in these has swept over our land, a mighty follow in the different States in self-respect of the community ratios of intelligence or illiteracy. has been impaired or destroyed, the yield is smallest. We hold scrupulous classes to give us the that in no avocation is superior reputation throughout the civilintelligence more needful than ized world of a Nation of politin agriculture."

Whether the long delay in issuing the long promised Encyclical was caused by a desire to learn every true patriot, that there is the views of the National Grange; too much ground for such a libel or whether the remarkable simi- in the history of the past twenty- party shackles and doing their ers, who had to bear all that the larity of thought, and even of phrase, in the two documents, which are daily transpiring ance of power to a degree that grim Fathers did, and the Pilproves only that "great minds through the courts and the newsthink alike;" or whether it is simply common sense, in both cases, bered that the vices of a Nation the correspondence is satisfac-

lated effort with the hope of pos-

Williams Grove, Penn.

Of an increasing burden, under quaintances in that party had which they groaned and grumbbeen much enlarged before he recent Encyclical letter of his led, but kept on plodding. The accepted its nomination for the utterances which Patrons can ac. brought temporary relief. But impossible that we can have the cept without any definition of the same conditions gave a new constant multiplication of institu-Papal infallibility. After noting impetus to speculation. Combi- tions and instruments of civilizathat "it is the mind, or the rea- nations to control the market, tion without a growing complison, which is the chief thing in and to take advantage of the cation of relations." Law and it proceeds: "God has granted sprang up on every side, and the hind crime and disorder, but they the earth to mankind in general; whole course of business undernot in the sense that all, without went a radical transformation. distinction, can deal with it as The return of peace found these lic opinion which sustains them they please; but rather, that no forces entrenched, equipped and and puts them on the scent of part of it has been assigned to drilled for enterprise, and being rascality and fraud. any one in particular, and that no longer able to raid the Govthe limits of private possession ernment, they turned their attendand scum of our civilization is a have been left to be fixed by tion to the food supply of the deep, broad and clear stream of world and its transportation. It was in this emergency that

> The enthusiasm which sion. hailed its appearance, and enbest certificate of merit, and a the amelioration of the farmers' hering strictly to the conservative and non-partisan basis of its Declaration of Purposes, it has spirits which joined its ranks, as and women. the mixed multitude joined the exodus of Israel from Egypt, politics. In calm reliance upon the National Grange has pursued the ever tenor of its way, and is to-day the backbone of all the standing before executive officers, legislatures and courts as a reaspect and attention.

In days like these, when the "The primal origin of wealth wildest and most destructive in agriculture is the earth, social theories find a following to brought out through labor. * * the verge of misrule and anarchy, When man stepped down our Order, extending into every and out of the garden, he found nook and corner of the land, and takes to farming. It is said that supply of the world, and what the position of a "serf," or "tenall the material resources for his sustenance and use locked up in honor to the Nation which can all Navy officers in particular that the United States enters the what is more galling, if possible, furnish so large a clientage to the cause of truth and soberness of nature in order to 'subdue the in matters that so nearly concern earth' and cause it to contribute the vital necessities of its indi-

Says General Rush C. Hawkins, materials and forces of earth, June, 1891: "From the begin-God gave him a key; and that key ning of the Rebellion to the preswas MIND, reason, intelligence. ent time, insatiable greed, practi-We find that labor is productive cally uncontrolled by law or by the intelligence that directs it. morality or rights of property, United States, the yields per acre invisible power for evil. The Where the illiteracy is greatest, and we have permitted the unical tricksters and business sharpers."

It must be sadly confessed by papers, but it must be rememacquire a notoriety only by contrast with its virtues, as all atten-

Already, before the Civil War, never knew one that was not. It the farmers were dimly conscious is probable that his list of acextraordinary market and the Presidency Professor Jevons abundant currency of the war has somewhere said that "it is necessities of the Government, social regulations always lag befollow like blood-hounds on the trail, and represent the real pub-

Behind and under the froth truth and righteousness, whose HEMMERS, sure, resistless movement is tothe National Grange was born in ward self-purification as a mighty river disinfects the sewage of the cities on it banks, and still supplies a wholesome beverage to them that come after. There is a cause for vigilance and for acsured its rapid growth, was its tion in the circumstances of our present National dangers, but testimonial which a quarter of a there is no cause for despair nor spread Order, with its ramifications in every quarter and its who make his tools and his clothseen the restless and ambitious constituency of plain, honest men ing. and nearly all he has to buy.

If Patrons will consider that this Nation is yet largely agricultural, and must remain so for one or two generations to come, it will be seen that the power of creating "the constituted authorand organization. It is easy to have their own axe to grind, and gize the Pilgrim Fathers, who, and have us turn the handle. A suffer for lack of compliments, band of intelligent and independ- and proposed to turn his eloent voters at the polls, free from quence upon the Pilgrim Mothshall bring the politicians to their has ever maintained the sentiknees in abject suppliance. It ment, makes no great difference whether Beats with his blood, and trusts in all things high Comes easy to him." tary of Agriculture imploring Our American farming never

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at the above low rates. This machine is made after the latest models of the Singer machines, and is a perfect fac simile in shape, ornamentation and appearance. All the parts are made to gauge exactly the same as the Singer, and are constructed of precisely the same materials.

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GRANGE VISITOR. Paw Paw, Mich.

GRANGE VISITOR, Paw Paw, Mich.

'Ill fares the land to hastening ills a prey, Where wealth accumulates and men decay; Princes and lords may flourish or may fade, A breath can make them as a breath has made But a bold peasantry, their country's pride, When once destroyed can never be supplied.

There is one feature of the outlook, not sufficiently regarded as ities" is very largely in the hands an element of confidence in the our organization may be little acmoral forces, and the prevailing of the farmers at home in their future of agriculture in this counown districts, and if this little try, that we are rapidly approacheveryday responsibility were ing the time when the increasing strictly acknowledged and ac-population will tax the available cepted by the people most inter- acreage for home consumption ested, there would be no call for to its utmost capacity. It is esti-On page 116 of the Journal of industrial organizations of the Proceedings, 24th Session, of the country. It has established its should control both parties as the country that if population increase they stand, and compel both to at the rate of only 2 3-10 per cent. put our plank in their platform. per annum, the United States don me for a few words more. There is nothing truer socially will in 1895 number 70 millions, We are in perilous times—perilin the Gospel, which we all re- requiring an area of 221 million ous to agriculture, perilous to the vere, than saying that "All they that take the sword shall perish crops, without the exportation of trusts and combinations have one by the sword"—at least they must a pound of food stuffs. There is fixed, unalterable idea, and that run that risk. The Patron laughs no country in the world which is to reduce the American farmer, in his sleeve when the retired can take the place of the United the bravest, truest and honestest merchant or professional man States as a factor in the wheat citizen in all this broad land, to and consider it as easy as rolling market as a buyer, instead of be- to American millionaires. To off a log; but the success of such | ing the principal seller, and com- | Patrons, to farmers of every amateurs is seldom phenomenal, petes for a part of an insufficient organization, I say, stand firm, and their husbandry goes mostly to enrich the farmers of their Overland Monthly: "The farm- the right. neighborhood. Politics, as now ers are patient and slow to move, conducted, is also a business and but once roused to action they profession, requiring experience and special training, and the press on to the accomplishment of their design. The two political average citizen who goes into parties are in the dilemma of the politics without such education is likely to find himself clay in the there was no living with her hands of the potters, who run the nor without her. Neither party machine for capturing votes and can march to victory without the controlling elections. It is the farmers in line. Neither party recognition of this truth that has can expect to have the farmers kept the Grange hitherto from with it, unless their rightful rejoining the ranks of the aggress- quests are heeded, and their just ive farmers, of whatever name requirements shall be satisfied.

It was Dr. Oliver Wendell be carried away by the eloquence Holmes, I think, who at a New of professional politicians who England dinner, declined to eulowould like to borrow our stone he thought, were not likely to

In subduing a new country, tion is drawn to the street brawl, sympathy for farmers in the quite reached the level of some of like this, where the easy acquisi- while few pause to consider the North American Review and puttion of ownership in land stimu- peace and order of the many quiet ting all Patrons of Husbandry you may see a peasant plowing homes which look out upon the on the visiting list of charitably with his wife and a cow yoked session and accumulation, the street, The old proverb says that disposed persons, or Dr. Wash- together for a team, but the work farmers became so engaged in putting the impress of their personality upon the soil, as to fall solutions of the farmer and all his family have always been longer family upon the soil, as to fall feeding. When Horace Greeley feeding. When Horace Greeley feedings are to fall family have always been longer than those of any other class, and an easy prey to that large class was charged with saying that likely to make a selling article. the very nature of the work comof people, who prefer to till the soil, by leaning on the fence and seeing another man do it.

was charged with saying that he sering at the s

And among all the many eviler's most serious trouble is that women of the household. What presentation of the facts, and for dences of a glorious future for he is penned in a corner by those our Order has done to mitigate our beloved land there is no one who are working him as a source these deprivations is well known social organization that is more of profit. Through his necessito all, and yet it is but simple reassuring than our own wide- ties, which are imperative, he is truth to say that what our Order squeezed like a lemon by those has done for women is not to be spoken of in the same breath with what women have done for the Order. The Grange cannot be said to have admitted women to membership. They were Charter members of its first prospetus. and have stood on equal terms in its every experience and every movement. The social side of counted of by the politician, but to us it is the inside, where the warm fires glow, and the bright lamps shine, and the good cheer prevails to make us ready to face the weather again in pursuit of our vocation.

Patrons, friends, I greatly fear that I have wearied you, but par-

"Stand like an anvil," when the stroke, Of stalwart men, falls fierce and fast; Storms but more deeply root the oak, Whose brawny arms embrace the blast. 'Stand like an anvil," when the sparks Fly far and wide, a fiery shower; Virtue and truth must still be marks, Where malice proves its want of power "Stand like an anvil," when the bar Lies, red and glowing, on its breast;

Duty shall be life's leading star, And conscious innocence its rest. "Stand like an anvil," when the sound Of pond'rous hammers pains the ear; Thine but the still and stern rebound Of the great heart that cannot fear. "Stand like an anvil." noise gnd heat

Are born of earth, and die with time; The soul, like God, its source and seat, Is solemn, still, serene, sublime.

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A. C. GLIDDEN, Editor and Manager,

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Send money when possible by either postal note or money order. We prefer a dollar bill for two subscribers, to 50 cents in stamps for one. The bank will take the dollar, but they refuse the stamps.

We shall send the paper only so long as it is paid for. If you wish it continued, a prompt renewal will keep it constantly coming and save us the trouble of making the changes. If numbers fail to reach you, or your postoffice address is changed, notify us at once and we will gladly send another number and make the desired change. Packages of papers will be sent to all who desire them for distribution.

Send the names of your friends on a postal card whom you desire to receive sample copies.

A Grange Revival.

We have received notice of a meeting at Flat Rock, Wayne county, to be held on the 14th (yesterday) for the purpose of reviving the Grange at that place. We have sent, by request, a bundle of Visitors to stimulate the enterprise.

A list of ten subscribers came with the news of this rejuvenating effort.

The harvest is ripe all over the state.

A revival of Grange interest is in the air.

Is the sickle sharpened and ready for the work?

Who are the reapers? Why stand ye here idle?

Individual effort must not wait.

Appoint a meeting before the moon wanes.

Send to this office for bundles of Visitors and begin the campaign at once.

The meeting of the State Grange ought to be thrilled with the news of a hundred restored Granges.

The Visitor will be sent six months free to every family represented in the revived Grange who shall report the largest number re-instated before Dec. 1st.

Put this number of the Visitor in your pocket and start out to see what you can do.

The Sugar Beet Experiments. College, is directed to the letter ally favorable conditions for refrom Dr. Kedzie on the first page production are present, these few of this number of the Visitor. improve their opportunities to The future of this new industry their utmost extent. depends largely upon the results of this preliminary investigation. Growers should be careful in the power to deposit its one comtheir reports to give exact figures as to cost and yield. The It is a fact, generally known, analysis will then determine the that whenever the young wheat value of the product for manufacturing sugar in Michigan.

Dr. Kedzie says: "Some beets volunteer plants springing up on were analyzed for the State Fair stubble land, or on the last days and showed only 8 percent.sugar. Two weeks later the same kind continued favorable, without of beets showed 10 per cent. of frost. If there are no plants on sugar, or a gain of 1 per cent a stubble land, on account of dry week. This shows the need of weather, for the insect to deposit giving the beets as long season its eggs upon, is it probable that as possible."

Premiums for Subscribers.

opinion that the inducement for in some way, perhaps on the renewals and for new subscribers grasses that are unfavorable to instead of in "Peter Funk" jew- stimulated by favorable condi- on you; begin at once.

has yet reached us.

plated, stem wind and set, gold next summer. watch (gentleman's size), with either Hampden, Waltham or Elgin movement, guaranteed to stand wear for 20 years with the VISITOR for one year for \$20.00, or with ten subscribers at 50 cents each for \$18.00. A lady's gold watch, same movements and same guarantee, for \$18.00 and the VISITOR, or for \$16.00 and ten subcribers.

We have had samples of these watches in the office nearly a week and, to this writing, they have kept accurate time, and are pronounced by competent authority here to be reliable in every respect. They are such watches as are sold by dealers for \$35 to \$40 each. Lady teachers, by a little effort, can secure the ten subscribers to the VISITOR and get a nice watch for a small amount of money. Young gentlemen attending school can equip themselves so as to become the envy of their fellows at small cost and a little trouble. These watches make valuable holiday presents. We invite inspection at the office, and assure our friends at a distance that the goods are O. K. and will please every purchaser. Send the money and subscribers here, and 25 cents for registered package, and the watches will be forwarded at once.

We shall present cuts of the different grades in next issue.

The Wheat Fly.

We are doubtless entering upon another era of insect depredation on the wheat crop. The Hessian fly has done but little damage to wheat for several years. The conditions for egg-laying have been unfavorable, which doubtless accounts for the immunity in the recent past, A few The attention of those who are specimens are prodably hatched growing sugar beets from seed each year-enough to continue sent out from the Agricultural the species, and when exception-

It has been taught by entomologists that a wheat fly only has plement of eggs, and then dies. plant is at the proper stage of growth eggs will be deposited, In a private letter to the editor whether it be in August, in the of September, if the weather has it has the power to carry its sack of eggs for a month, hoping for a favorable opportunity? or does We have always been of the it relieve itself from its burden

elry and jimeracks generally, tions, to a renewed effort indefi-Our sewing machine offer, how- nitely, so long as the frost is deever, has been a grand success, layed? We believe this latter We have sent them all over the theory to be the correct one. State and as far west as Denver, Eggs have been laid in wheat Col., and not a word of complaint this year as late as into October. on Woman's Work in the Grange On the 12th, scarcely any of the send in their reports as soon as enterprise, believing that God Advertisements have been of eggs had assumed the flax-seed fered to induce readers to buy color and state, and many eggs cheap watches. These we have were only half grown-this on invariably refused, as we have wheat sown on the 14th of Sep- I am lead to believe that a large considered it a fraud upon the tember. The flies that are doing amount of valuable Grange Work public. Watches, however, like the mischief this month, were has been done by the sisters of loon was being inflated to ascend sewing machines, are made much hatched out last June, from eggs more cheaply than formerly, and that were laid a year ago, and the first cost of a good one is rethey have been ready for busimarkably low. We have arranged ness all along, from maturity un- Order, and give due credit to all forty or fifty miles. A light cloud with a responsible dealer in New til now, unless the slight frosts faithful workers in the good hung over Mt. Franklin all day, York to furnish all our readers, have killed them. There are who need a good watch, with one enough eggs deposited now for and the Visitor for a year at an abundant crop next year, and to Mrs. S. A. Hawkins, Chairastonishingly low figures. We we may look for crinkled wheat man of the National Committee, can furnish a 10-karat, double- at the harvest and abundant flies Hawkinsville, Ala.; those of the bombardment began.

Farmers' Institutes.

There is yet opportunity for other applications for winter meetings. The Institute committee of the State Board of Ag riculture will be in session on Friday, the 16th, at the college, to assign professors for duty, and to arrange the different series for the season. It is contemplated to hold two or three Schools of Instruction in the State. that shall continue for a longer period than the ordinary institute. The plans are not yet perfected, but will be announced in due season. The legislature granted all the aid asked of them for this purpose, and all the criticism made upon the appropriation asked was that it was not large enough.

If any locality desires an Institute for the coming winter, application may be made to the editor of this paper, or to Sec. H. G. Reynolds, at the college.

The consistent and conservative course of the Grange is commending it to level headed farmers everywhere. It has also outlived the captious and discourteous criticisms formerly made upon the farmers' movement, and is looked to by those in other occupations as the standard educational and social organization for farmers. Whatever gain has been made in social and political newed efforts to spread Grange

subscribers, we have decided to be the more glad to help to place offer the Visitor from Nov. 1st next, to, and including Dec. 15, be rapaid by the pleasure afford-1892, for the price of a year's ed in seeing their advancement, subscription. This is fourteen and even taking a part in their months for 50 cents, and is incentive enough for a successful canvass of every neighborhood. Let the community can be plainly agent, and before the meeting of passer-by. the State Grange, on Dec. 8th next, roll up a list of names that shall be an earnest of the renewed zeal of the order in the pursuits or condition. the state. What Grange will be the one to send in the largest list of names?

Paw Paw Grange held a unique social on a recent occasion. The screen, in front of a strong light. The shadow cast upon the screen was sold to the highest bidder. The ladies were the purchasers, and got, along with the substance, a box of such eatables as the gentlemen could provide. We hear of no complaints of the fare furnished.

"Save who can!" was the frantic cry of Napolecn to his army at Waterloo. Save health and strength while you can, ought to be in the matter con- their germination and continue by the use of Ayer's Sarsaparillia, is tained in the columns of a paper, on, like the queen bee, being advice that applies to all, both young and old. Dont wait until disease fastens Woman's Work in the Grange. PAW PAW, MICH., 1

Oct. I2, 1891. As the National Grange is soon time for that meeting. From in tilling the soil. The history correspondence already received of the experiment is about as our Order during the past year.

The committees of the Southern States will send their reports Vancouver, Wash., and those of to the undersigned.

Fraternally.

MRS. H. H. WOODMAN, Committee on Woman's Work in the Grange.

Juvenile Granges.

It would seem that somewhat of indifference prevails among our members for the social welfare of children, and that which seems to us to be a grand opportunity for them is neglected, undoubtedly for want of a better understanding of it; while at the same time it is neglecting to make use of one of the means offered by the Grange, and the product of Grange wisdom. think we can justly be proud of the fact that our order has been first to set an example in placing smoke and hurling thunder. Coma well formulated plan of organization in the hands of children so young, and yet one which is so admirably adapted to teach the principles and rules of such societies, and at the same time supply the means of providing so much attractive amusement and pleasant pastime as furnish ed in the Juvenile Grange.

This is advancement, this is education, and in a line not within the school work, but at the same time every way as essential, and when obtained thus early in life, will be made the more effective and gained with less cost or effort than if deferred to a more convenient time, which to many may never come Then, too, this work in clubs, literaries, or lyceums is so apt to be carried out in such a way as to crowd out all Shiloh. standing, the Grange has the de- except a fortunate or forward it was fought in the Tennessee served credit of being the best few, and all the while be held by valley, and in the spring time. promoter of it. Never was there older ones aloof from tender youth. Parents, and others, who would be considered almost a a more auspicious time for re- are older than the membership of this Order should not withhold their support and encouragement, in regret that no such In order to stimulate effort to a opportunity came to us in our vigorous canvass for new and old day and age; but, on the contrary, every advantage known to us in their reach. Very soon will we work, as directed by them; while the intellectual and moral tone or influence upon the children of every Grange now appoint its observed by the stranger or predict that in the mature years of these youth, a brighter picture of farm-life will dwell in their minds, whatever may be their

It will not be necessary to go outside the limit of two or three fifteen days in that country in school districts to get plenty of material to begin with, and very soon it will draw from all parts of its jurisdiction. The winter months are approaching, whith gentlemen posed behind a muslin the usual round of gatherings; it is the accepted time to step in a little ahead and take the field. bent," &c. Only fifteen or twenty applicants at 15 cents each, and send \$1.50 to the Secretary of the State Grange and you will be properly armed for the conflict. Fraternally,

A. J. CROSBY, JR., Lect. St. Grange.

The Rain-Makers at El Paso. Perhaps your readers have al-

One little fool newspaper said God's name would be Dennis if the rain-makers succeeded. Well, if God's name depended on so to meet, it becomes necessary small an issue it would be gratithat the State Grange Committee fying to state that they did not succeed. I did have faith in the practicable, so that they can be would allow that to man as one compiled into a general report in of his many graces to assist him

On September 17, while a bal-

for testing the humidity of the and it is the desire of the Na- atmosphere, I noticed a number tional Committee to present a of showers falling in Texas and summary of the same to the Mexico. None were nearer than and the balloon ascended partially into it in the afternoon. A light shower fell the next morning about 4 o'clock. Friday, the same day, at 10:30 o'clock, the Pacific Slope to Mrs. E. Russell, time it was raining near the Waco mountains, about forty miles disthe Northern and Eastern States | tant, and at Sierra Blanco, about eighty miles distant, and gathering clouds hang above Mt. Franklin. One battery was on the Member of the National Grange mountain and one on the Mesa, about three miles apart, and the balloons were sent up between them. Shooting was kept up all day at intervals, averaging one and a half minutes. This is the fourth day and no rain has fallen yet. As to the experiment I was somewhat disappointed. Perhaps I had my expectations too high. I expected something like a battle or a thunderstorm. I have been in battles where from 100 to 200 guns were in action, averaging at least two shots per minute, and the exploding shells making four for each gun, 800 explosions per minute, and the air full of screaming projectiles, gathering pared to this, one shot every minute and a half is exceedingly tame.

I have been in thunderstorms where one streak of lightning made more fire and more noise than the whole day's work; but the thunderstorm never made the rain; the rain made the thunderstorm. These great batteries never made any rain. In the first place, nine battles out of every ten were fought in countries where there is scarcely two weeks between rains, and in the second place history always records the rain that falls just after the battle, because it is either a help or a hindrance to the retreating army (and there is always one of these armies retreating about that time). I was at the battle of drouth. I remember that rain, because its copious fall enabled me to escape from a position where my life would have paid the forfeit had I been caught. Hundreds of other rains have fallen which I do not remember in like manner. History makes a record of rains which fall in connection with historic events. I was at the battle of Murfreesborough; it lasted eight days: two of the latter days were terrific. It rained on the first day, as I remember a man was executed in our camps, and I heard the opening cannon on the skir-And we confidently mish line, and it was raining slowly. Then it rained two days after the battle closed, for we began our retreat in the rain. That was ten days between rains, and it would have been anomalous not to have rained once in ten or the month of January.

We need never expect rain for agricultural purposes for these arid plains, and in fact they are needed to supply atmosphere dry enough to counteract the humidity arising from the sea, and are as essential to life and health as Remember, that "as the twig is the ocean itself. If there were no arid plains what would the poor consumptive do?

Rain-making may succeed in the swamps or near the sea, if placed about fourteen days apart; but its a failure on the desert lands. I am now in my third year in El Paso. They had had no rain for more than a year before I came, and there has been but one since, and that was not ready read accounts of what I am needed, and we don't need any about to write. Much excite- now.-W. D. Robinson, in Texas ment prevailed at this place. Christian Advocate.

(From 1st page.)

advanced the idea that our gov- do; in fact, they have a way of personal property in the several out in life together, should have Gulick, of Macon Grange. Reernment would not be any better putting themselves out of sight, states and territories of the a home-nest of their own, where sponse by Hon. Geo. B. Horton, vote; but that is not the question. having been with them even for and 1890. The question is: shouldn't they short time. have the right as citizens.

many men who will sell their ed by Faith, Hope and Charity 249,589,804 in 1890, an increase kind feelings—it's human nature, think it will make the world all ill feeling towards our broth- true value of all property as re-

will have an equal chance with that a wealth of happiness and in the United States that the

Pres. Dunn: Women have the we but live up to them. inherent right with men to all these privileges. They are equal with men and should have the done that are not engraved upon States according to the Eleventh

fathers did; they are too consci- caught up instantly if we are on and \$870 per capita in 1880. entious. That day was when the alert, and it is not something they were ignorant. I can re- that we must strive hard to atmember when it was said, if a tain; it does not necessarily mean will neccessarily be among the woman read anything in a news- riches, or power, or position. paper, "She had better be wash- The more simple and natural our complete data for the calculation tor on W. W. in the State. ing her dishes." doesn't read she is called igno- can make our homes neat and at- quiries relating to agriculture great action been taken in the ter post herself.'

man of the future will have the ment and improvement; not strivsame rights men have.

should have equal rights, but not ter times, better prices, more the same rights. There will al- means-but live just as well as ways be women's rights and we can, getting all the happiness men's rights.

Mrs. L. Choate read "The Happy Farmer.

many good thoughts.

MRS. J. D. CRISPELL, Club Reporter.

An essay read before Rollin Grange No. 383, ept. 25, on Charity and Happiness in our lives and in the Grange.

That the Grange has come to Assessed Valuation of Property; stay is a fixed fact in the minds of the people. The avocation demands just such an organizatrim off some of the rough edges tion as returned in 1890, was as here and there, and make our. follows: selves more companionable. The only way I can see to do so is to 1860 ... be more social than we are. A 1870. person was never meant by his 1890 maker to be a recluse or a herall we can and do all in our pow-perty, with the autual selling hilarity seems out of place; it be-

every society we find the persons attempt was also made in 1880, evinced by the records of the they are morally better. She who are most loved, and most for the first time, to obtain the divorce courts. If the step was has all the qualifications of a citsought after, are those who have capital invested in trade and banktaken more seriously there might held its October session at Macon izen and ought to have all the a way of making light of their ing outside of the assessors' recome more joyousness in after Grange Hall on the 1st inst. The W. E. Kennedy: I am in accord with most of Mr. West's remarks.

Totals people are too day was one in which all that attended country were based count the cost, until it is too late tiful rain—by driving, or by rail. His great theme is rights, politions of prescriptions and their life-long unhappiness, All was done by Macon Grange ically. I am in favor of equal ings of a neighbor. They know 1880 than ever before, and hence or a divorce court stands before to entertain the members and rights, and think this should be how to keep their melancholy more reliance may be placed up-restricted to the moral ones; out of sight. They do not la-on the results of that investigathink the immoral ones, both of ment their poverty and make us tion than upon those of previous men and women, should not be feel uncomfortable amidst our censuses. allowed to vote. I think Provi- plenty (if we have it), but they In preparing the estimates of

vote for a drink; think women (for the greatest of these is charduring the decade of \$7,346;596, and human nature is much the wouldn't do that, and because I ity), to lay aside all animosity, 261, an amount equivalent to the same the world over. G. G. Pond: I have always er as one family with a mutual

Now, if she lives, the happier we are. We is not available until after the infamilies growing up around us, finished. Mrs. Winans: I think the wo- watch their growth and developing for the unattainable; not Mr. Edwards: I believe they waiting, year after year, for betout of life as we go along.

Now let us cultivate the heart;

A MEMBER.

1890.

Department of the Interior, Census Office, Washington, D. C., tion, and how best to promote August 1991. The value of real month's rest, but must be used Grange in the State more thortinues in excess of the demand the good of the order is what we and personal property as actually to hurry on the delayed seeding. should all aspire to do. If in my feeble way I can advise so as to several states and territories has always formed the basis of the large of the la help build up and make better always formed the basis of the selfishness or greed is concerned. the order and elevate those with decennial estimates of the wealth What powerful sermons the overwhom we come in contact, I shall of the United States. For the worked horse could preach to his their work that I sometimes think there decades ording in 1880 the feel rewarded for the effort. We three decades ending in 1880 the merciless, or thoughtless driver, are all peculiar creatures. If we estimated true value of all pro- if, like the ass of Balaam, he was could but "see ourselves as oth- perty and the value of real estate given the power of speech. ers see us," we would, I think, try and personal property as assessto make ourselves over somewhat, ed, including the assessed valua-

> YEARS. Assessed valua-Estimated true\$12,084,560,005 \$16,159,616,068 30,068,518,507 43,642,000,000

The estimate of true valuation mit. If he is such, he is truly a is necessarily based on data more misfortune to a community. No or less incomplete and imperfect. ency is a jewel of great price! one lives alone from choice. The Prior to 1880 no attempt was mingling together in organiza- made to go outside of the assesstions brings out the social quali- ors' returns. As a means of inties within us, and we find im- troducing an initial correction in- Eve. Fortunately, in those days, classes of 40 new members, and ber 1st issue, in time for those provement in many ways. There to the statistics of the assessed no marriage ceremony was neces- a number have been reinstated. wishing to attend from this state is a class of people in this world valuation of real estate the pressury, as it might have been dif- A class of 8 or more are to be to meet the requirements. who take great pleasure in say- ent Superintendent of Census, ficult to find a minister and wit- initiated. After the contest of ing unpleasant things—"speak- then (1880) in charge of the nesses. The Jones family, of one more meeting then comes the ing their minds," as they call it. Statistics of wealth, debt, and Sometimes they dignify it by the taxation, addressed circulars to event, and skirmished around to the feast. I dare not say who Sept. 13, 1891, our worthy Bro. name of telling the truth, as if an immense number of bankers, truth must be unpleasant in or- real-estate agents, business men, for the occasion; then the whole Worthy Secretary Lock will do member and a faithful Granger; der to be true. Are there no and public officials connected family attended the wedding and his best, as he has waited pa- a man of few words, but they lovely, charming, gracious truths, more or less directly with the saw them stand up in a corner, tiently for the feast. We have were always words of wisdom. and if there are why can not peo-valuation of property for purwith their backs to the company, had an excellent summer enterple tell these, and make others poses of taxation. Answers to and be made one, then they tainment which reflects much leaves an aged wife, two sons happier. The sum of human these circulars were received turned about to blushingly recredit on all who participated. misery is always so much greater from every of the United States, ceive the congratulations and than that of human happiness, and in many cases they contained kisses of the joyous crowd. that it would appear our pleas- actual data showing the assessed antest duty to add to the latter value of certain pieces of progetting married, but too much ment and oratory.

troubles and trials; who do not turns. It is fair to assume that years.

If women had been allowed to hear. They do not announce for the present census, the same family. vote one hundred years ago the their opinions as if there was a care will be exercised, and as far better than it is now. It is a they do not catechise us about our affairs, but show to us a genright God gave them.

Then they do not catechise us about forms part of this bulletin shows it is the opinion of an old man opening Song—Macon Grange. Mrs. Dunn: Mr. Kennedy has uine interest in what we say or the assessed valuation of real and that a young couple, just starting

prosperity would be ours would same relation exists in 1890 be- for. tween assessed valuation and true There are seeds sown which do valuation as existed in 1880, the not yield tares; there are deeds absolute wealth of the United marble. There are innumerable Census may be estimated at \$62, would vote as their husbands and away in the future, but should be in 1860, .780 per capita in 1870,

The final returns showing the absolute wealth of the country

ROBERT P. PORTER, Superintendent of Census.

Farmer Jones' Hired Man.

it will yield sweet fragrance, but is not good for man to be alone, and the decision was postponed till The Question Box brought out still we must toil and cherish the he decided to take unto himself a next meeting. blossoms and cultivate the soil. wife. There being lots of work Jones—and the horse.

wheat ground that must wait for the man and horse. When they at last return the latter is in a fit 272. It is not dead or out of per bbl. condition for the pasture and a date; do not think there is a

beyond endurance. to make him go faster. Consist-

er to diminish the former. In price of the same property. An ing a serious business, as is

failed to prepare for the event families of Macon Grange prebeforehand, and the result is no vented their full attendance. dence over-rules these things. will talk about things we like to the wealth of the United States tinues to reside with the Jones fifth degree the doors were

they can run matters according of Fruit Ridge Grange. to their own sweet will. The From these returns it will be Jones house may be never so So let us strive, each and every seen that the assessed value of roomy, but some one is sure to incident to fevers and consump-

My advice to young people is: Novi, State Lecturer. ers and sisters, and come togeth- turned by the United States don't try to crowd into a nest census in 1850 (\$7,135,780,228). that is already full, but build one thought women should have rights, as far asit is just. Hope mutual benefit. The teachings of rights as far asit is just. Hope mutual benefit. The teachings of the formula of all proportions and the formula of all proportions and the formula of all proportions. The teachings of the formula of all proportions and the formula of the form the time will come when they our order are so pure and noble to the true value of all property mate, but work and wait; what is worth having is worth waiting E. L.

Eaton Rapids.

Woman's Work.

Mrs. M. E. Wetherby: I think sources of happiness if we will 610,000,000, or nearly \$1,000 per the day has passed when women only see them. They do not lie capita, as against \$514 per capita No. 272, our Master has been I must say as to Woman's negligent, or forgot to appoint a committee on the work.

But as I am chairman on W. W. in the above mentioned Grange, I will respond to the article in last publications of this office, as the last issue of the Grange Visi

Am sorry to say there has no rant, and it is said, "She had bet- tractive, and in them with our and manufactures have been County Grange on the Prize Speaking Contest, as recommended first of the year; but we have in raising. There are three pre-

A selection was sung, after The thread that drops from our to do in autumn, the middle of small attendance, as the work on Our Co. Grange has rather a which the meeting adjourned to hands will be taken up by our that busy month, September, was the farm has crowded both man meet at the home of Mr. and Mrs. brave boys and girls. The words chosen for the occasion, and a and woman, at least that has been than last year at Chicago, but H. Winans, on the first Saturday that leave our lips will re-echo week of valuable time, with the prevailing complaint and exvalues are steadily depreciating; from theirs. Then the mantle Jones' best horse and buggy, was cuse. As the rush seems to be this situation of affairs seems that falls from our shoulders will spent; enjoyed, no doubt, by the over now, we hope and trust our rather singular to me as every be most worthily received, and hired man and his bride, but Master will be the first to open condition is favorable for better what about the enjoyment of the doors to successful meetings hereafter, and then I will remind product. The range of quotations

> the noble beast that lightens your been selfish and not let our work toil! He has muscles that tire as be known, or we are so wrapped well as you, only he cannot tell you | up in love and truth that we did when the strain on them is almost not even ask the charity of others, When you as our faith has been strong that times and customs have changed busiest season has interrupted us. purchase appropriate presents will win the prize, but think our Nelson Hunt. He was a charter

The Leader, who finished his night of the contest, gave a mas-There are different ways of terly production, both in senti-

MRS. L. J. BARNARD, Ch'n on W. W. in Ionia Co. Lenawee Co. Pomona Grange.

friends of the county, that we Jones' man is married, but he could desire. Sickness in two

thrown open and the hall filled. government would have been no special appeal to them. Then as practicable the same plan will stances, the Jones family may be lis, then took charge and the fol-

Opening Song-Macon Grange.

Singing by Macon Grange. Mrs. Hill: The reason I want one of us, when we come within all property hes increased from be crowded, and people who are tives, illustrated and demonto vote is because there are so our hall doors, closed and guard- \$16,902,993,543 in 1880 to \$24,- crowded are apt to cherish unstrated and demonstrated and demonstrated are so bind feelings. Hint feelings it is because there are so our hall doors, closed and guard- \$16,902,993,543 in 1880 to \$24,- crowded are apt to cherish unstrated from charts—Dr. Howell, of Macon Grange.

Violin Solo by Miss Bailey. Address by A. J. Crosby, of

Bro. Crosby gave us an extemminutes, which favorably impressed both members and outsiders.

Miss Bailey then favored the audience with one of her choice selections.

The reports of Subordinate Granges present were favorable for the Order.

Music by Macon Grange; after which a fourth degree session closed the labors of the day, and all felt that it had been a day of profit and pleasure.

J. W. WOOLSEY.

Market Report and Indications.

The live stock markets for the past two week may be quoted as to values, as being weak and lower on all grades. The receipts of cattle continue to be large and a "prize contest" of our own on of the poorer kinds, in excess of small fruits and flowers, of which the demand; feeders are stocking many have been very successful up very slowly, and are loth to up very slowly, and are loth to Jones' hired man recently miums—first, \$3.00; second, \$2.00; of good quality weighing from made the same discovery that the third, \$1.00. As our last meet- 900 to 1100 lbs are bringing \$2.75 Creator made long ago in the ing was small in attendance, and to \$3.50 per cwt. while lighter Garden of Eden, namely: that it the committee was not present, kinds unless of the very best quality are hard to sell, the best cattle show but little depreciation and the receipts are bought up readily.

Jones looks ruefully at his him of the contest recommended. for barrel pork on the Chicago I will render an excuse for our board of trade Oct. 10th, are as Master of Berlin Center Grange, follows Dec. \$9.10, Jan. \$12.27\frac{1}{2}

oughly alive than ours. The say- and all but the best are of slow 272; they are not faint hearted; up. And eastern buyers are very they are so wrapped up with cautious in their ventures as the they would never stop if they generally quoted as very unfavorhad not come to the end of their able; dispatches received usually O, ye men, young and old, have some thought for the comfort of successful. Perhaps we have lower, go slow." The range of quotations will average 40cts per cwt. lower than last year.

E. A. WILDEY.

Efforts are being made to get are tired you stop and rest; when we were the first in the State. reduced railroad rates from your horse is tired you flog him But I hope you will overlook our points outside the state of Ohio, selfishness, and will try to keep to the meeting of the National you posted. There is no monot- Grange, which occurs at Spring-Of course there was a wedding, ony in our Grange, not even the field, in that state, next month. We shall be able to announce the since the days of Adam and We have initiated four large facts and figures in the Novem-

Died, at his home in Waterand two daughters.

When you need a good, safe luxative, ask your druggist for a box of Ayer's Pills, and you will find that they give perfect satisfaction. For indigestion, torpid liver, and sick headache there is nothing superior. Leading physicians recomendthem.

Sadies' Department.

Judge Not.

Judge not the working of his brain, And of his heart thou can'st not see; What looks to thy dim eyes a stain, In God's pure light may only be A scar brought from some well-worn field, Where thou would'st only faint and yield.

The look, the air, that frets thy sight, May be a token that below The soul has closed in deadly fight With some infernal, fiery foe, Whose glance would scorch thy smiling grace And cast thee shuddering on thy face!

The fall thou darest to despise-May be the angel's slackened hand Has suffered it, that he may rise And take a firmer, surer stand Or, trusting less to earthly things May henceforth learn to use his wings.

And judge none lost; but wait and see, With hopeful pity, not disdain, The depth of the abyss may be The measure of the height of pain. And love and glory, that may raise The soul to God in after years. -Adelaide Anne Proctor

Indian Summer.

Fair Summer-flying from chill Autumn's breath-Turned and looked back with longing restfu And saw the frost spirits, in their work of death Despoil the fruits of all her golden days.

But blithe October's pencil moved among The leaves and branches' labyrinthic maze. And touched the sumac with a crimson flame, And swept the mountains with a purple haze. Pleasant, in truth, it looked-and Summer smile And blew a kiss toward her one-time home-Then, laughing as a happy little child, She called her birds around her, and was gone—Maud Burton. in The Ladies' Home Journal

I ask not wealth, but power to take And use the things I have aright: Not years, but wisdom that shall make My life a profit and delight.

I ask not that for me the plan, Of good and ill be set aside: But that the common lot of man Be nobly borne, and glorified.

Clouds.

-Phoebe Cary.

gin to stir upon the swaying chewer. branches of the tree-tops, greeting each other with a cheery by devotees of the gum-chewing was ever made miserable with good morning and a challenge to art, and one glances from the the details. If a dish failed, it song. As, one by one, they join platform or the pulpit to the must have been her rule to set it used so much, the care of them music.

the east.

shrub, and tree, bedeck them with a glittering robe of rainbow

we look up we see them small and transient and enhancing even the beauty of the sky.

whether you will it or not, and before you have reached middle age—the time when woman's the beauty of the sky.

Bye-and-bye they become more numerous and assume a darker you will be so repulsive that you hue; their speed is accelerated would fail to recognize in yourand, gathering in a solid phalanx, self the girl of to-day. they roll heavily above us.

unavailing protest.

flash and roar of Heaven's artil- every act strengthens the one or annoyed, bored under ery, piercing the frail fabric of the other. This woman, by drop-shower-bath of apologies. the overcharged clouds, until ping first into one unwomanly I meet her running through the they yield their burden, and the habit, then another-picking up a lane to her mother's. How sweet

storm is upon us. surrounded by beauty and all raise a laugh, mimicking a clown stops to apologize—for her dress. things have, to our ears, a musical or a drunkard "for fun"-gave I say truly that I see nothing full height; wait until the chimchime, while all paths are made the Hyde food on which she amiss. She is then at great pains ney is heated. Beautiful shades pleasant and smooth to our tender feet. As we go on, the clouds destroyed and the loveliness of or a grass-stain on the hem, or having the hot chimneys rest of disappointment cast shadows womanhood lost. So will it be tells me it is an old thing, patched against them. Now, when lightupon our way, through which we fear to pass; but they are transitory and, as we look back upon insidiously into power and stifle ert, working in the garden in his and does not touch the shade at them from the eminece of later life, theyprove to be like the light while you may. At the suggest- stem the torrent and get away, I placed on the lamp as soon as it

heart to enter the world's broad "It is Hyde, it is Hyde," and pro- render it impossible for me to battlefield and win, as we confi- tect yourself against him.—Alva stand always with a spy-glass dently hope, fair victories; but Rosse, in St. Louis Magazine.

again the shadows lie across our way and our brightest hopes are dimmed. We stuggle on, perchance with lagging steps but trustful hearts, that the future, with its larger opportunities, will bring lighter burdens to be lifted by stronger hands.

The years come and go, each with its share of sunshine and of storm, its messages of peace or calls to battle.

Advancing life brings greater responsibilities and trials harder to be borne: but, if we still "look up," with trust in Supreme love and willingness to be guided by Supreme intelligence, we may see that all is needed discipline to enhance the beauty and usefulness of our lives; and come to realize that each trial and each sorrow will have its just compen sation, for

"Not for aye can last The storm, and sweet the sunshine when 'tis past Lo, the clouds roll by, they break, they fly, And, like the glorious light of summer, cast O'er the wide landscape from the embracing sky On all the peaceful world the smile of heaver

Chewing Gum.

Among the abominations of the present day is the practice of chewing gum in public. Sweet, intelligent girls are rendered rude and repulsive by the incessant motion of the often open mouth. (Indeed, barring the expectoration, men chew tobacco in better form than girls chew opportunity once to observe gum.) Dainty lips lose their closely the intimate home life of delicacy, high-bred features their one of my friends. Her husband's dignity and repose, when accom- income was modest, her house Men of refined taste only half dress. During the year I lived conceal their righteous contempt, in her house I was never con The chariot of the day apland even the rough-and-ready scious of the slightest jar or fricproaches. The low rumbling of fellow who laughs at the practice tion of the domestic machinery, its wheels break in upon our and treats to the gum cannot adslumbers, and we unclose our mire and respect the chewer with exempt from the usual houseeyes upon a world of beauty. the best part of his nature, and keeping trials. The early birds, keenly sensitive when he wants a wife usually to the influence of the hour, he-seeks some quiet-voiced non-

No place escapes desecration ful accompaniment "as the first chonk, as they viewed the marfaint tokens of the dawn show in ble features of the dead. The The earliest rays of sunlight. pression. It will soon become falling upon the trembling dew necessary to post notices such as drops o'erspreading grass, and "Gum-Chewing Not Allowed," in the respectable places of wor-

by, light clouds float through the azure and, mayhap, for a brief time, obscure the sunlight; but if charm should be most potent-

One of the rudest women I action, a degrading habit, utter duties, no interests, to say noth- ually. In youth we go forth with light to your soul the warning cry, ing of moral restraints, which

When the Sun Goes Down.

When the sun goes down. And across the fading lea, Like the crooning of a mother Comes the murmur of the sea, The golden clouds of sunset Change to sober, restful brown And soft Peace unfurls her mantle When the sun goes down.

When the sun goes down, And from out the glowing west The evening breeze comes sighing Like a whisper from the blest, Come the little ones, aweary, Clinging to their mother's gown And they nestle in her bosom When the sun goes down.

"When the sun goes down!" Cries the toiler o'er the sea, "Sweet thoughts, by labor banished, Will come trooping back to me, And the smiles of those who love me Take the place of duty's frown, For in dreams I shall be with them When the sun goes down.'

When the sun goes down, The ills of life recede; Hushed is the voice of evil, And the selfish cry of greed; Then happy, homeward footsteps Echo through the quiet town, And rest comes to the weary, When the sun goes down.

When the sun goes down. On this busy life for ave. Perhaps the night that follows Will be better than the day. Oh, may its rising shadows Find us ready for a crown, And the rest that surely cometh When the sun goes down.

Apologies.

"Never apologize." It had stared at me from the printed page all my life; but it remained for the example of two women to make it vital to me. I had the yet I know my friend was not

The secret was—she never apologized. She gave daily superintendance to house and kitchen. If accidents happened, nobody apologies.

Sometimes a formal caller apof presence and promise, has come, and we greet it with light heart and pleasant anticipation.

As the fleet facted of the fact of the fac As the fleet-footed hours roll position? If you must chew, do gown, betrayed her sense of its the burner, washing them in hot to her loveliness.

vulgar and futile,—above all,

wave their branches in fierce but own type. Her soft-tinted com- I could never possibly have oil, which is screwed on the botthrough the darkness to herald brushy head. We each have comings, the noise her children washed. Sometimes a wick will will spot. the roar of distant thunder; within our spirits a Jekyll and a make, the state of her kitchen get very dark and dirty before it nearer and still nearer comes the Hyde, and every thought and land back yard. I stand confused, is half consumed. It is not econ-

leveled on her windows.

Some women apologize with 4 West 14th street, New York, hope to gain credit for possessreally are not. - Grange Homes.

An Object Lesson.

sweet," "awfully jolly," "awfully" something else.

An acquaintance had failed in with a noted wit, whom he described as "horribly entertaining," and, to cap the climax, he spoke of the butter which had been set before him at a country hotel as "divinely rancid.

The young people stared, and the eldest daughter said:

"Why, papa, I should think you were out of your head."

"Not in the least, my dear," he said, pleasantly. "I'm merely panied by the disgusting habit. plain, and she economized in trying to follow the fashion. I worked out 'divinely rancid' with a good deal of labor. It seems to me rather more effective than 'awfully sweet.' And now," he continued, "let me help you to a piece of this exquisitely tough beef.'

Adverbs, he says, are not so fashionable as they were in his family.—Grange Homes.

To Have a Bright Lamp. In these days, when lamps are

in the chorus the air becomes wagging jaws. Recently, at a aside; if one appeared on the is quite an important matter, laden with sweet, enchanting funeral, grown girls, with tears table not exactly up to the high- writes Maria Parloa, in her dein their eyes and gum in their est standard, she had the good partment in the October Ladies' The insects, darting here and mouths, filed past the casket, sense to see that this fact was Home Journal. If the lamps be there among the grasses at our through sheer force of habit, not apparent to all, and that an good and have proper attention, feet, add a monotonous but cheer-keeping up a regular chonk, apology would only intensify the one cannot wish for a more satisconsciousness of the few who did factory light; but if badly cared perceive it. And it is wonderful for they will be a source of much spectacle was odious beyond ex- what mistakes, partial failures, discomfort. The great secret of will pass unnoted, if only the too- having lamps in good working exacting housewife refrains from order is to keep them clean and to use good oil. Have a regular place and time for trimming the peared unexpectedly, finding her lamps. Put a folded newspaper in a wrapper; or she was called on the table, so that any stray omy to try to burn it; replace it with a fresh one. The trouble and expense are slight and the increase in clearness and brilby-word here, and a rude gesture and cool she looks, is my inward liancy will repay the extra care. So, in life's morning, we are there, repeating a vulgar tale to comment, if I make any. She When a lamp is lighted it should not at once be turned up to the thrived until the Jekyll is almost to show me an infinitesimal hole, are often cracked or broken by with you. Through coarse habits up out of two; and then she won- ing a lamp be careful that the and thoughts the Hyde will steal ders what I must "think of Rob- chimney is set perfectly straight your nobler nature. Stop him shirt-sleeves." When I finally any point. The shade should be and unsubstantial mists of morn- ion of an impure thought, a rude wonder if she thinks I have no is lighted, that it may heat grad-

Desirable for Ladies.

The new Fashion Journals published by A. McDowell & Co., Like soft air passing by.

the best intention, imagining that are again on our table. The supenot to do so shows disrespect and riority of these journals is abunddisregard of a guest's opinion. antly shown on every page. "La Others, as in the last instance, Mode" is the smallest of the three, and is intended for family ing a very high standard by apol- use. It has many styles for chilogizing for every lapse there- dren, and is only \$1.50 per year. from. They only betray egotism, or 15 cents per copy. "La Mode an uneasy conscience, and the de Paris" is an elegant journal. fact that they are trying to filled with everything of the seem to the world what they latest style in Paris. This is a great favorite with ladies who wish to keep posted in the new An Object Lesson.

There are many kinds of fashionable foolishness, some of which ionable foolishness, some of which ionable foolishness are many kinds of fashionable foolishness for the fact in the are best corrected by a lesson in giving it the preference. It is kind. A writer in the Boston replete with such styles as are Post reports such a lesson, which patronized by the middle classes. might well be tried in many fam- its designs being neat and plain. ilies. The younger members of yet all of the richest character. the family of one of his friends These three monthly journals had fallen into the way of using claim to give the earliest fashmany senseless phrases. With ions, and they are all printed in them everything was "awfully Paris. They contain lessons in or practical dress-making, which are of incomparable value and One evening this gentleman easy to understand. "La Mode came home with a budget of news. de Paris" and the "Album des Modes" are each \$3.50 per annum, business. He spoke of the inci- or 35 cents for a single copy. dent as "deliciously sad." He Samples can be obtained from had ridden up town in the car the house at single copy prices if there is any difficulty in obtaining them from newsdealers.

Pot-Pie.

This may be made of any kind of poultry or meat, which may or may not have been previously cooked.

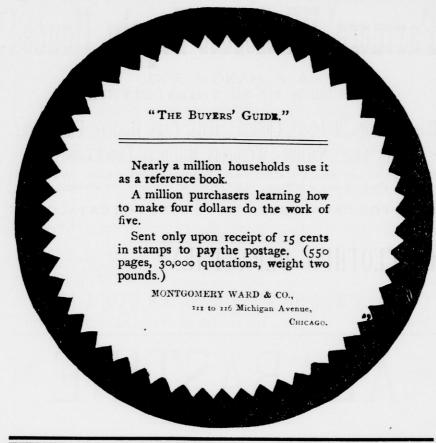
Of cold roast beef take two pounds, cut in rather thick, oblong pieces. Break the bones, cover them with water and let them simmer two or three hours for the gravy; add sufficient water to this to make one quart; put in a four-quart saucepan with two teaspoonfuls of salt, half a teaspoonful of pepper and one tablespoonful of catsup and the meat, and when it boils add two tablespoonfuls of flour mixed smooth in a little cold water. Have ready a soda-biscuit dough. A raised crust is excellent, and by some much preferred. Take a piece of bread dough the size of a dinner plate and two-thirds of an inch thick and let it rise. Be sure to have it ready for the stew when the stew is ready for it; give it abundant time to rise, and if it rises too fast put it in a cooler place. When the stew is boiling fast the crust may be added, either in one piece covering the whole, or cut in oblong pieces; the saucepan must then be closely covered and must boil without stopping for twenty minutes; if the crust is in one piece it must be placed on the platter upside down, the meat laid on it

In pressing any part of a dress unfitness. She ignored it, and soap-suds and wiping with a clean put a bit of crinoline between the received them with a quiet grace, soft cloth. Trim the wicks and iron and goods. This seems to a dignity that added a new charm turn them quite low. With a be especially adapted for that soft, wet cloth, well soaped, wipe purpose, and the idea originated I looked and pondered. I saw the burner thoroughly, working among the ladies' tailors. If the that an apology would have had the cloth as much as possible in- iron is too hot the goods will be its root in vanity. It was borne side the burner, to get off every discolored, therefore, try the iron in upon me that apologies are particle of the charred wick. first on a piece of the matrial. Now fill the lamps within about In any case do not press on the one inch of the top, and wipe right side. If a hem is pressed Now for the other woman. She with a damp towel and then a dry where it is sewed on many plain A hush pervades the air, and know was a teacher at twenty, is my next-door neighbor, but one. Adjust all the parts and fabrics, it will show the line on all living things seek shelter. and possessed an intelligent, our relations are almost entirely return them to their proper the right side. Press evenly, Darker and more dense the pretty face and lady-like man-shadows grow. The breeze fresh-ners. At thirty-five, strident with the eyes of Argus, though I is required in a lamp, wash and the better pressers owing to their ens and arouses the listless trees tones, street slang and personal am so short-sighted that I can scald the burner before putting superior strength. A heavy matill, under the influence of its neglect, render her unfit for any scarcely see beyond my own nose. in the wick. With a student terial may be dampened to make accelerating speed, they wildly companionship but that of her She apologizes for facts of which lamp, the receptacle for waste the seams flatter, but when trying any such aids always test the plexion and satin hair have given had any knowledge, but for the tom of the burner, should be goods first, for if cloths have not Vivid shafts of light flash place to a leathery skin and admissions—her servants' short- taken off at least once a week and been sponged every drop of water

Mrs. Loring's Lemon Pie.

Take a large tablespoonful of corn starch, dissolve in a little cold water in a bowl, add a cup of boiling water to cook it. While hot stir in a tablespoonful of butter, add one beaten egg and the yolks of two more, a full cup of sugar and the juice of two lemons; use none of the peel. Makes two small pies or one large one. For the frosting beat the whites of two eggs until you can turn the plate without its running, add two heaping teaspoonfuls of powdered sugar; put on after the pie is baked and set back into a slow oven until slightly brown. Please try this pie.

Have good will To all that live, letting unkindness die. And greed and wrath; so that your lives be made



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Revised List of Grange Supplies Kept in the Office of Sec'y of the

Michigan State Grange

And sent out post-paid on receipt of Cash Order, over the Seal of a Subordinate Grange, and the signature of its Master or Secretary.

Porcelain ballot marbles, per hundred
Secretary's ledger 1
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By-Laws of the State Grange, single copies, 10c; per dozen
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Is of the highest value of horses, cattle, hogs, and poultry. It assists digestion and assimilation and thus converts feed into muscle, milk and fat which rwise would be wasted.

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Says: "German Horse and Cow Powder pays many times its cost in keeping all kinds of farm stock in good health. I have used it for years on my farm, buying a barrel at a time."
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We shall keep the best blood of this the best breed of Mutton Sheep constantly on sale.

Both sexes from 4 mos to 2 yrs old.

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GOING NORTH.	No. 1.		No. 5	
	P. M.		P. M.	
Cincinnati		8 45	8 50	
Richmond	2 20	11 35	11 35	
		P. M.	A. M.	
Fort Waynear	6 10	2 50	2 10	
" " ly	6 20	3 10	2 25	8 05
Kalamazooar	A. M.	6 43		11 55
" lv	7 20	7 03	5 25	12 20
Grand Rapidsar	9 15	8 50	6 50	2 15
" " lv	11 30	10 30		5 05
	P. M.	A. M.		- 00
Cadillac	4 20	2 15	10 50	9 05
	6 50		12 30	10 40
Petoskey	8 10	5 35	1 50	P. M.
Mackinaw	9 45	7 00	3 10	
GOING SOUTH.	No. 2	No. 4	No. 6	No. 8
	P. M.	A. M.	P. M.	
Mackinaw City	9 00	7 20	2 00	
Petoskey	10 30	8 50	3 10	A. M.
Traverse City		10 30	4 30	5 00
	A. M.	P. M.		
Cadillac	2 20	1 05	6 45	7 00
Grand Rapidsar	6 00	5 25	10 00	10 20
" " ly	7 00	6 00	10 30	10 30
Kalamazooar	8 45	7 57	12 10	11 50
" lv	8 50	8 05	12 15	3 45
Fort Waynear	12 25	11 45	3 30	7 25
" ly	12 45	5 45	3 45	P. M.
Richmond		9 15	6 40	
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Holland, Ar	3	00	9 2	5 5	5 0	(
Grand Haven	1 3	44	10 1	3 6	5 1	ĺ
Muskegon		15	10 4	5 6	5 5	į
Grand Rapids, Ar	1 3	55	10 1	0 6	5 10	c
Grand Rapids Lv	5	17		1 ;	7 2	•
Newaygo	6	49			3 5	
Big Rapids	8	10		10	0 1	4
Ludington	0	50		1 :	2 0	i
Manistee, via M. & N. E	10	15		12	2 1	(
Traverse City, Ar	10	50		1:	2 3	
	P	M		I	3	i
	A	M	PM	I A	N	i
Hartford, Lv	II	32	2 5	5 2	2 1	
Benton Harbor, Ar	12	10	3 2	5 2	2 5	C
St. Joseph	P	M	3 30	0 :	3 1	
New Buffalo	1	45	4 1	5 4	1 3	į
Michigan City	2	II	4 3		5 0	
Chicago, Ar	3	55	6 30		7 0	

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Michigan Farmer "		1'35
Farm Journal	25	.70
Farm and Garden	50	-80
Christian Herald	. I.50	1.50
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Earn It. Of course you are proud that your fathers were

'Tis a pleasure to know they were great In the field, on the bench, or in science or art. Or as leaders in matters of state.

But we all should remember our ancestors' fame Is not for their children to wear; To the fame of the great man the family name

Is the only legitimate heir. The fame that is yours is the fame you have won

If you've not won it yet, look ahead. But don't claim an honor because you're the sor Of ancestors centuries dead.

Of proud ones who live on the fame of their sires Examples in plenty are found; Like the turnip and parsnip, they seem not to

That the best of them lies under-ground.

Look ahead to the future—the past is not yours For your prize trust the future alone. The fame of the past is another's reward Make the yield of the present your own.

Inherited titles of honor are vain. In the heat of Fame's handicap chase The plain man looks forward, the noble looks back.

And oftentimes loses the race. Look forward, toil onward; and when in the end

Well-merited honors you've won, Be proud that your claim to the prize did not lie In being a Somebody's-son.

-By W. R. M'Alpine.

Artificial Rain.

is just now a topic of much interest. The government experiments, carried on by Gen. Dyrensatisfied the public mind that but have aroused an interest almost always attended with in succession, a member of the

further developments. time of experimenting, are conflicting. Mr. Dyrenforth stated to fall hundreds of miles from success had attended his work; in 1815, enough cinders were that Midland had had no great ejected to cover the whole of rain for three years before his Texas two feet deep, and the ing one of the four conical tips advent to that arid district, while most violent rainstorms succeedduring his brief stay three copi- ed it. Of course, those who wish he would set to work to throw ous rains had fallen. describes an experiment as fol-eruption produced the rainfall, lows: "At three o'clock one af- but it seems more rational to atternoon a balloon was sent up tribute it to the volume of solid it is set down at least threeabout one mile and a quarter and matter thrown into the atmosthen exploded by means of elec- phere. They put stress also on tricity. There were but a few the fact that during a storm the his bill through the wires under fleecy clouds in sight, the air was rainfall is greater immediately the corner of the tip and lifts it very dry, and the barometer de- after the thunder claps. This is clared that the weather was fair. true, but it has no bearing on the reader, would do. and throws it Ten minutes after the balloon question at hand. During the off, then sets up a loud chatter, had disappeared in a peal of storm the small rain drops are thunder, kites were set flying, buoyed up by ascending currents place it. But the canary's song and attached to the tails was of air, and the thunder jars the is so sweet (he sings almost every dynamite. This was exploded atmosphere so that a number of hour, even up to 9 or 10 o'clock when the kites were high in the these small drops are jostled toair; and then a great quantity of gether, and being collectively too ous, that he repays a thousandpowder, which was scattered heavy to be buoyed up, they fall over the ground for about two to the earth.—A. J. James, B. S., miles. was set off by electricity. This made a noise like a succession of batteries of artillery. The smoke rose in the air about 200 feet and drifted toward the expert's headquarters. Before it reached there, however, it was driven to the earth by a torrent

of rain." This testimony is rapturous, to put the testimony of some native ranchmen and visiting reporters, who, from some unforturelation of cause and effect be-T. Foster is so unfeeling as to measurements of 287 persons intimate that they chose his showing a difference in hight beknown.

ing data before us, we must stop ly preceding the final measureand wait for more light. But ments in order to reduce their show it. In the life of the worker meantime we may take a look at hights. The practice has been is the only dignity that labor the theoretical side of the ques-

densers and attach instead a vil- York Journal of Commerce.

lage school building to their plant?

see. But history is so uncharital cage is a perfect bundle of feath-

the subsequent rainfall. Every one has noticed that The artificial production of rain minute particle of carbon or sulphur or dust, too small for detec-

Teacher of Science in Dallas High School.

Why a Person is Taller in the Morning than at Night.

A person is taller in the mornng than at night. The reason is the day by the weight of the atsuch burdens as he may carry. rain fell at a great distance than night the cartilages act like cushstorm day to make the experi- tween morning and night measment. But Senator Stanford urements of 6 to 20 millimeters comes to the rescue of the rain (one-fifth to four-fifths of an makers with his assurance that inch). This fact is well underthe daily blasting necessary in stood among French conscripts, the construction of the Southern and M. Paul Topinard reports Pacific Railroad through the that some of them who are just desert region was attended by upon or very slightly above the daily storms where such phe-minimum limit as to hight walk can. nomena had hitherto been un- about with heavy weights upon their shoulders for several days With these scanty but interest- and during the night immediateso successful that in some ex- gives. The man who works with treme cases, according to the his eye on the clock, that he may Science has never known a same authority, the hight of a leave off on the minute, may make method to condense a vapor ex- man has been reduced by it more fine speeches about the rights of cept by supersaturation. This than an inch. As men advance working men, and their importmay be effected-first, by cool- in age the cartilages do not fully ance to the world, but his words ing, or second, by pressure recover during the night from are worth nothing, because he is Noise has not heretofore been the effects of the day's compres- ashamed of his work, and only considered a factor in producing sion. The result of this is that does it because he must. As condensation. Shall the time men are commonly not so tall at George Eliot says: "You must come when the chemist will find an advanced age as in middle life. be sure of two things: You must it advantageous to hire the boy Extreme cases of this, reported love your work, and not be alwith the tin whistle to stand over by M. Tenon, are of a man who ways looking over the edge of it, his Liebig condenser to hasten had lost one and one-half inches wanting your play to begin. And the precipitation of the vapor? at the age of 70, and another who the other is, you must not be Can the distillers of the future had lost one and nine-tenths ashamed of your work and think throw aside their spiral con- inches at the age of 85.—New it would be more honorable to be

A Cute Canary.

We have owned several cana-But if the theory is opposed to ries, and we have never found the new process, they claim that any two alike in their intellectual facts substantiate it. Have not characteristics, though much the great battles been followed al- same in their loving regard for most invariably by rainfall? Per- all the permanent members of the haps so. We were not there to household. But the one now in ble as to tell us that in ancient ers and fun, as full of mischief times, before gunpowder was as a bird can be-not malicious known, the same was true. And in its manifestations, but merely this suggests another cause for frolicsome. He is taught to call his mistress.

He is kept in an old-fashioned when water passes from the wooden cage, quite large (it is liquid to the solid condition, the simply brutal to keep birds in process begins about some for the small cages now fashionable,) eign substance. Little sticks and and with four stationary perches straws projecting into the water running across at right angles, a are first girdled with a fringe of swing perch, and a short perch ice. It has been observed by in one corner, always to the some scientists that the same is front, so that the bird may come true of water in passing from to the front to caress or be vapor to liquid. This affords caressed; in case of the writer, he a rational explanation why rain-delights in pulling his beard. fall follows a battle. Think of The swing perch is hung, say 14 the volume of smoke and dust inches above the stationary sent up in the atmosphere during perch, and one of the bird's tricks an all day's engagement between is to snap the swing with his bill, two powerful armies. Each set it rapidly in motion, and then rush under it on the stationary perch four or five times, singing tion in the rain, forms a nucleus in his loudest notes all the while. upon which the molecules of Perhaps in a few moments his forth, at Midland, have not at all aqueous vapor cluster very like a next trick will be to knock the swarm of bees settled on a limb. swing from its support (Friday The eruption of volcanoes is the little rascal did it six times which is intently wating for heavy rainfall, and during an family replacing it to see what eruption the quantity of ashes the bird would do) to the floor of Reports concerning the amount and cinders hurled thousands of the cage. Time and again he of rainfall at Midland, during the feet into the heavens is incon- has caught the swing in his bill ceivable. They have been known on the bottom of the cage and attempted to fly up with it, but in to a reporter, when on his way to the place of eruption. During vain (whether to rehang it, we Washington, that the greatest the great eruption of Tomboro. leave to some one wiser in bird leave to some one wiser in bird movements than we to decide).

But his cutest trick was in findon the corner posts loose, when He to, will believe that the noise of the it off in the most business-like manner. He tried at first to pull it inside; that would not do, for quarters of an inch on the wire. When he removes it he thrusts up just as sensibly as you and I, perhaps to call some one to rep. m.,) and his spirits are so joy fold all the labor in caring for him.—Brunswick Telegraph.

> Young People Should Have Plenty of Sleep.

A German specialist, Dr. Codd, has recently pleaded for giving young people more sleep. A healthy infant sleeps most of the that he is pressed down during time during the first weeks; and, in the early years, people are but over against it we are forced mosphere and by the pressure of disposed to let children sleep as the upper parts of his body and much as they will. But from six or seven, when school be-These weights press down the gins, there is a complete change. nate cause, failed to discover any cartilages at the joints and es. At the age of ten or eleven, pecially those in the spinal col- the child sleeps only eight or tween the noise and the rainfall. umn, so that the hight of man is nine hours, when he needs at They say that late in summer is reduced. When the weights are least ten or eleven, and as he their rainy season, that more removed and he lies down at grows older the time of rest is shortened. Dr. Codd believes fell near the C ranch, where the ions and gradually return to their that, up to twenty, a youth needs experiments were made; and W. original size. M. Robert reports nine hours' sleep and an adult should have eight or nine. With insufficient sleep, the nervous system, and brain especially, not resting enough, and ceasing to work normally, we find exhaustion, excitability, and intellectual disorders gradually taking the place of love of work, general well-being, and the spirit of initiative.—Scientific Ameri-

> Once there was a time when few talked about the "dignity of labor," but all felt it and lived to doing something else."-Ex.

Business Co-Operation in the Grange.

The Grange, now nearing its twenty-fifth birthday, is not a one idea organization. It has its social, its educational, its moral, its political and its business sides, through all of which it is accomplishing its great mission of elevating the American Farmer and American Agriculture.

Proofs of some of its good work in the way of business cooperation are here presented. Since the year 1873 the following have been some of the business planks in the Grange platforms:

"For our business interests, we desire to bring producers and consumers, farmers and manufactures, into the most direct and friendly relations possible. Hence, we must dispense with a surplus of middlemen, not that we are unfriendly to them, but we do not need them. Their surplus and their exactions diminish our profits.

"We are not enemies of railroads, navigation and irrigating factory; a loan company with cocanals, nor of any corporation that will advance our industrial interests, nor of any laboring classes.

"We are opposed to such spirit and management of any corporation or enterprise as tends to oppress the people and rob them of the just profits. We are not enemies to capital, but we oppose the tyranny of monopolies. We long to see the antagonism between capital and labor removed by common consent, and at one-third its former price. by an enlightened statesmanship worthy of the nineteenth century.

One of the simplest systems of business co-operation practiced ness fund," generally raised by contributions, and added to by the business profits; or in the form of stock subscriptions. Sometimes a few hundred dollars are hired and used for a time until a sufficient business capital is As one of the accumulated. teachings of the Grange is that "cash is king," and that all its business must be conducted on the "pay as you go" basis, it will be seen that with a small fund turned over several times in a year a large amount of business can be done.

Here are a few reports from Granges in Burlington county, New Jersey, as samples of thousands that could be given:

Columbus Grange, No. 58, reporting through its Executive Committee one years business as

"Have made purchases through our co-operative fund to the amount of \$2,075.12, as follows: 153 tons of coal, costing \$752.97; timothy seed, \$55.13; clover seed, \$387.58; seed potatoes, \$182.25; plaster, 1 car load, \$105, and the balance, \$592.19, in sundries.

Mount Holly Grange, No. 37,

"By co-operation in buying grass seeds, amounting to over 100 bushels of clover and nearly the same quantity of timothy, an advantage of quality and price is realized of about 15 to 20 per cent."

Burlington county, N. J., far mers have made through the Grange a single purchase of clover seed to the amount of over

The Master of the Delaware State Grange in a report to the National Grange, said:

are still working well, and have trol grist mills than to control done much to place the Grange on a solid foundation. We have a state Grange fire insurance company which insures only for patrons; a fruit exchange for the sale of peaches, and a plan for the purchase of fertilizers. Of ble variety of fruit, grain or vegethe latter, we use large quanti- tables bring samples of the same, ties, one year aggregating the in order to compare quality, culsum of \$30,000 with one firm. ture, yield, etc., and perhaps all This results not only in a saving may receive benefit by the comon the cost, but the goods purchased being bought on contract after asking for bids from a dozen or more manufacturers, subject to a certain analysis. We always have our money's worth. This plan has been followed for 5th. The forenoon session will several years, and by making our be devoted to Business of the terms for close cash, our trade Order and Good of the Order. has become so valuable that it is Program for afternoon: being sought for by manufacturers all over the country; conse-

make very satisfactory con-Response by K. W. Freeman, Mastracts.

The Master of the State Grange of Texas, in reporting on Grange business in that State, Mrs. Franc Bush.

"Business co-operation continues successful where co-operative rules are not violated. Texas has 132 co-operative associa- Mumford. tions, all represented in a central organization known as The stock for the average farmer?tal capital in these 132 stores is Grange. \$629,640. The total purchases for one year amounted to \$1,612,-812, with a reported saving of \$229,014."

Farmers in the Granges of Canada are doing well in business co-operation. One report says they have a wholesale supply company with branches for purchasing supplies and sale of ferm products; a fire insurance company, running nearly ten years, with risks amounting to about \$8,000,000, entirely satisoperative features, the money being procured in the cheap money markets of England on year. land security, and loaned at cheap rates to the members; a life insurance company, for members of the Grange. To get the better of a salt monopoly, a salt company was organized and one of the largest salt "blocks" in the Province was put in operation, with the effect of breaking the ring. Salt may now be had

> Fraternally, MORTIMER WHITEHEAD.

American Beauties.

The beauty of American women year after year in hundreds of is proverbial, and the year after year in hundreds of is well merited: it is doubtful is proverbial, and the distinction Granges in single States is that whether any country could show whether any country could show a more notable bevy of perfectly lovely women than those whose portraits are given in Demorest's Family Magazine for November, just received. Exquisite pictures of a score of "Famous Beauties of the South" afford a feast of beauty that everyone should enjoy, and may, by simply procuring a copy of this splendid number of this always excellent Family Magazine. And this is not its only great attraction. A unique series of articles is begun in this number. "The Romances of Pre-Columbian Discoveries," handsomely illustrated, which are especially apropos at this time; "Her Soul's Secret" is an absorbing novellette; any woman can learn to ride, and to ride gracefully, if she will follow the rules given in "Lessons in Riding"; those who are preparing Christmas gifts will find appropriate mottoes for them, and numerous pretty styles of letter ing in "Home Art and Home Comfort"; in "Sanitarian," Susanna W. Dodds. M. D., tells about "The Unequal Distribution of Clothing," in the first of her articles on "Woman's Dress Hygienically Considered"; housekeepers will find some appetizing "Thanksgiving Menus"; in fact, something to interest everybody will be found in this comprehen sive Magazine, which is published for \$2 a year by W. Jennings Demorest, 15 East 14th St., New York City.

> Western Pomona Grange will hold its next quarterly session at Hudsonville Grange Hall on Friday and Saturday, Oct. 23 and 24. The following subjects will be presented for discussion:

Why would it not be better "Our co-operative enterprises for the Grange to build and con-

."Woman's work in the Grange." "What can the Grange do to

promote the temperance cause?" It is especially desired that any one having any new and desiraparison. ELLEN E. SMITH,

Lecturer.

Hillsdale Co. Pomona Grange will hold its next meeting with Jefferson Grange, Thursday, Nov.

Music. Welcome Address-Geo. Barter of Pomona.

Recitation-Miss Katie Cox. Essay: Dress and Address-

How should we educate our children?—Mrs. J. Bowditch. Paper: The origin and qualities

of the Shropshire Sheep—A. W. Which is the most profitable

Texas co-operative Association, Opened by Andrew L. Davis, fol-Patrons of Husbandry.' The to- lowed by the members of the

Music will be given by Jefferson Grange choir.

J. E. WAGNER, Lecturer.

The bald man's motto: "There is room at the top." This top may be supplied with a good crop of fine hair by using Hall's Hair Renewer. Try it.

St. Joseph County Grange will hold its next meeting with Colon Grange on Thursday, Nov. 5th, 1891. An interesting program will be prepared, and all fourth degree members are invited to attend. Let us make this the most interesting meeting of the MRS. D. B. PURDY.

For Bilious Attacks

heartburn, sick headache, and all disorders of the stomach, liver, and bowels,

Ayer's Cathartic Pills

are the safest, surest, and most popular medicine for family use.

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GRANGE NEWS

THE ONLY PAPER IN THE WORLD PUB-LISHED ON A FARM.)

Was changed from a semi-monthly to a weekly

publication, Jan. 1st, 1891. Its Subscribtion rates are as follows: 1 copy, 2 copies

ı year, It is an 8-page paper and all home print, and the official organ of the Grange in Illinois, Wis-

consin, Iowa and Missouri. N. B .- To introduce the GRANGE NEWS to the readers of the Visitor we will send it a full year to the FIRST HUNDRED sending in their subscriptions for 85 Cents each! Sample copies

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Send for article taken from the report of the Michigan State Board of Health, entitled "Sanitary Walls and Ceilings," condemning wall paper and showing the evil results following its use.

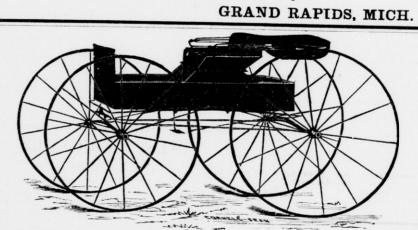
We will also send free, on application, a set of colored designs showing how walls and ceilings may be decorated with Ala bastine and the stencils we manufacture.

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Here is the opportunity you have been looking for. durable top buggy, painted in lead and oil, no dip finish. The buggy has been thoroughly tested for over ten years on all kinds of roads and in all kinds of service. Its easy riding qualities and adaptability to roads has been fully demonstrated.

The demand for a good side-spring buggy has been gradually growing for several years, and there have been several new springs put on the market in consequence. The most of these have proved failures, the construction being such that there was no chance for the side-spring to lengthen when loaded, hence the motion was short and sharp, or the gear was thrown out of "track." In the "Wolverine" these objections are avoided. There are four springs which are put together in such manner that each is allowed full play without straining any part of the gear. It has a wrought iron fifth wheel, clip kingbolt, and a double reach. Every buggy should have a well braced reach to make it keep in "track.

The GRANGE VISITOR has made arrangements with the manufacturer, Arthur Wood, of Grand Rapids, to sell to subscribers to this paper the above buggy at a price within the reach of every farmer who needs a buggy. We have examined every part of the works, and stake the reputation of the VISITOR on the good qualities of every job. A two-horse two-seated wagon with three springs, just right to take the family to church, for \$55.00.

Hear what those say who have used them:

After using one two years, Dr. H. H. Power, of Saranac, writes as follows: "There is nothing to compare with the 'Wolverine' for ease, comfort and durability."

Coldwater, Mich., April 24th, 1891—Some years ago I purchased two single buggies of Arthur Wood, of Grand Rapids, and found them to be strong and durable. They have been in use eight or cen years, and have proved to be satisfactory in all respects.

Paw Paw, May 1st, 1891—In 1875 I purchased an open buggy of Arthur Wood. It has been in constant use since and promises several years service. I have now ordered one of the Wolverine top buggies on the reputation they sustain for excellence, workmanship and durability. J. C. GOULD.

Sond the monoy to the editor of this paper, and the buggery will Send the money to the editor of this paper, and the buggy will be sent direct from the factory.



wards. The best pole backwards or forwards. The best power for running our American & Hero Grinding Mills, Hero Ensilage & Fodder Cutters, Chief Self-Feed Corn Sheller, Wood Saws, Drag Saws, Peck's Husking & Shelling Attachment, etc. We also have the

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