

# Greater Farm Efficiency

## Decreasing Cost of Machinery Repairs

By PROF. C. A. COCK, Wisconsin College of Agriculture

### WANT BOOK.

Amount to Letter and Order Number	Implement	Cost	When Wanted
Dec. 6, 1911.			
6 Spark plugs	Gas engine	\$4.00	30 days
2 Piston rings	2 H. P. gas engine Gilson	2.00	60 days
1 doz. P 1233	I. H. C. disk harrow	9.00	30 days
8 doz. Common clevises	For single trees	3.00	60 days
2 128 S.	Corn King shredder	20	20 days
2 H 663	Deering binder	1.00	6 mos.
3 Shares	Deere gang	5.00	60 days

Sheet from a Farmers' "Want Book."

Few farmers have a definite idea of the total amount of money invested in farm machinery. If you were to ask John Smith how much his farm machinery was worth he would be unable to answer you. He would probably tell you that the different implements cost so much and that there were a number of repairs for several of these. That these implements were so many years old, and were probably worth only about half of what they were at first. Possibly he had bought some of these second-hand, and had never kept any record of the money invested in farm machinery.

Farming being a business, should be run on business principles, if one is to know where he is making or losing money. So with the machinery the first cost and repairs should be recorded and a strict account kept of all labors involved in the up-keep of the different farm machines. This can only be done by regular business methods. The operator of the small farm may feel that this is not important, and from his point of view it may not be. Yet actual experience shows that unless some records are kept in operating a farm it is extremely difficult to

will furnish the necessary information, as, "One machine bolt 2 1/2 inches by 1/2 inches." This, with others which may be required, may be purchased in one order, which will probably result in a saving of one-half.

While this system may seem at first thought somewhat cumbersome, a glance at the suggested sheet will show that it will in the end save time and money, and at the same time dispense with worry and aggravation at a very busy season of the year.

When the repairs and special bolts have arrived, take them with an extra supply of bolts, nuts and split cotter pins and a kit of tools. Proceed with the work as occasion permits, and in a short time all of the home work is completed. The work usually done at the village shop should be noted and the list left in a convenient place so that no extra time is required in locating it and arranging for the work.

Some farms are fortunate enough to have their own shop, and where such conditions exist it is not necessary to take the plow shares to the village for sharpening, but this and many other kinds of such work can be done at home. The large farms having great-

**1910 Wagon** Cost \$75.00  
 July 10 Purchased  
 Dec 8 Broken Reach Renewed 2.00  
 1911  
 Mar 11 Broken Evener Renewed 1.75  
 Aug 6 Setting Four Tires 3.00  
 Nov 24 Broken Bolster Renewed 5.00

**1910 Gang Plow** Cost Returns \$100.00  
 July 10 Purchased 80.00  
 Sept 8 Sharpening Shares 3.00  
 Nov 1 To plowing 100 acres of stubble for the season 4.00

How to Keep a Record of Cost and Repairs of Different Farm Implements by Means of a Card System.

know on what money is being saved and made.

To keep farm machinery in repair is no small item, and frequently time lost in being delayed during a busy period while waiting for repairs is the cause for a still greater loss. The time lost in many cases might be done away with if more care was exerted in overhauling the machinery during the winter season, when farm work is somewhat slack. Many farmers make a practice of making some repairs during the winter, but there is a greater majority who never feel that it is worth while to spend time to do such work, but believe they will have time enough in the spring or before it is time to use the machine again. As a rule, the work is not done until the machine or implement should be in the field, which ought not to be the case. The repairing, to be done at the least expense and loss of time should be done in the winter, or at least most of it. There are some implements that one might find difficult to repair, especially in some of the machinery sheds which are found on farms.

With a good machinery shed and a work shop at one end where a stove could be set up to take the chill from the air, this work might be handled very nicely with little if any discomfort, even in the coldest weather. There will be a great many stormy days when little if any work can be done out of doors, when the work in the shop can be very satisfactorily carried on. Where the repairs cannot be readily put in the respective places, cards should be attached to the broken part and everything put in readiness for the time when the machine is taken from the shed. I am now thinking of the grain harvester, which is frequently behind many of the smaller machines, making it rather difficult to get at for repairing. In the case of the grain and corn harvester a good plan to follow is to make a note of such parts as show severe wear and order these parts for the coming season.

A "want book" and a box of shipping tags should be a part of the equipment of the farm office. In the book should be made a notation of the worn or broken part, and with it the letter and number, thus: "For the grain harvester, binder driver dog H. 350."

A shipping tag with letter and number should then be attached to the part to assist in quickly locating when repairs are to be put in place. The same holds true with reference to bolts. When housing the machinery you may not have the proper bolts on hand, but the "want book" and tags

requirements will naturally require more machinery, so that the one in charge of the machinery should not lose sight of the fact that a large supply of common repairs is better than to be out half of the time, thus causing unnecessary delays in the farm operations.

The stock of duplicate parts to be ordered should be for sickle sections, for mowers and binders, also sickle heads and pitmans for the mowers. Rivets, wearing plates, ledger plates, guards, etc., or any such list as seems necessary to prepare for the necessary farm machines. Any one who is at all interested in farm machinery should be able to devise some plan which would greatly facilitate the handling and repairing of the farm machinery.

To insure the greatest efficiency of plow, cultivators and all such implements, it is a good plan to cover the face of the moldboards and shovels with a good grade of heavy machine oil or a fair grade of hard oil. This treatment will keep the wearing surfaces free from rust, so that the extra work of scouring these implements in the spring will be done away with. To get the greatest returns for money invested in farm implements one must have as few delays as possible.

In keeping before you the first cost and repairs of the different farm implements, a few cards as here shown will be of great help. In this way you can quickly find how much your wagon, mower, or any implement has cost since it was purchased. The depreciation can also be more quickly calculated, and in many ways this will assist in determining the gross earnings of the farm each year. This card system might be carried still further by adding to it a double column at the right, the extra column showing the amount of work or the value of the work done with each implement. This is shown on card describing gang plow.

The scheme described here is not entirely new, as some farmers are using methods which in some ways are similar, but the card system and lay book are much handier and more economical.

#### Feed for Hens.

Dried lawn clippings aren't much of a feed unless full of white clover. Clover to the hundred pounds contains 29 per cent. dry matter, 2.1 ash, 2.9 protein and 16.4 carbohydrates. Its nutritive ratio is 1.5, while that of wheat is 1.7. Clover dry or steamed and mixed with mash is bully for hen health and eggs.

### THE DEMONSTRATION WORK

Report to Secretary Wilson of Farmers' Demonstration Work in North Carolina.

Secretary Wilson has received the following report on Demonstration Work of the Department in North Carolina:

Demonstration work is only four years old in North Carolina, yet it has become a power there for progressive agriculture, and, through this, for the general uplift of the home-life of the farmer.

Many farmers, advanced in age, deplore the fact that Demonstration work did not begin several decades ago so that they might live long enough to enjoy the fruits of its teachings, thereby reaping the benefits of more bountiful crops produced at a minimum cost of cash and labor. Many farmers who have been in the work one year state that as successful farmers they are only one year old.

The work is based upon sound, well tried and essential principles, such as a deep soil, plenty of humus, improved seed, intensive cultivation, rotation of crops, etc. That the work is accomplishing the purpose for which it was designed, is shown in a number of ways. For instance the average yield of corn in North Carolina, for the past forty years has been a little less than fifteen bushels per acre. The yields under demonstration methods were as follows: In 1908, 37 bushels per acre; in 1909, 40 bushels per acre, and in 1910 (4,361 acres) 43 bushels per acre. The records for 1911 are not complete yet, but will probably be greater than for 1910, notwithstanding the fact that a severe drought cut off the yield throughout the central part of the State.

The demonstration work stands for the growing on the farm everything needed there in the way of home supplies. The careful records kept in the work show that these can be grown for very much less than market prices. The matter, therefore, is an economic one.

The organization in North Carolina, at present, consists of a State agent, two district agents, fifty-one local agents and over three thousand farmers conducting demonstration plots averaging three acres each. The two largest demonstrations the past season were one of forty acres of corn that produced fifty bushels per acre and one of a hundred acres of cotton that grew a bale and a quarter of cotton per acre. The demonstrators are supervised by the local agents who in turn are instructed by district and State agents.

The demonstration work has hearty co-operation with the A. and M. College, the Farmers' Union and other progressive organizations. The State Department of Agriculture is now co-operating financially and otherwise. Local aid for the work for the present season amounts to \$15,000. This shows that the people are interested in the work.

Taken as a whole the outlook is very bright for reaching and influencing in a practical way the mass of farmers in the State.

#### A Talk With Mr. Durham.

Charlotte Chronicle.

It was very much of a pleasure to have a brief talk last night with Rev. Plato T. Durham. He is perhaps closer to the editorial fraternity than any other preacher in the State, and the fraternity is close to him. Mr. Durham is a man of broad ideas and liberal views, and while he makes no untoward departure from his calling, he takes more than a passing interest in the events of the day. He thinks with a good many other people that Roosevelt, as the Republican nominee, would prove a dangerous man for the Democratic party. Roosevelt, he thinks, has the remarkable faculty of holding both the support of Wall street and the common people who rail against Wall street. Opposing him, Mr. Durham would like to see Harmon for President, and Underwood for Vice President. That would be a cracking good ticket, but we fear the Democrats will not have sense enough to put it in the field. Mr. Durham is of the opinion that if Underwood does not lead the Democratic ticket he will go on for second place. Underwood will go into the convention with such strong support as to demand his recognition for second place, if not for the first place.

#### \$100 REWARD \$100.

The readers of this paper will be pleased to learn that there is at least one dreaded disease that science has been able to cure in all its stages, and that is Catarrh. Hall's Catarrh Cure is the only positive cure now known to the medical fraternity. Catarrh being a constitutional disease, requires a constitutional treatment. Hall's Catarrh Cure is taken internally, acting directly upon the blood and mucous surfaces of the system, thereby destroying the foundation of the disease, and giving the patient strength by building up the constitution and assisting nature in doing its work. The proprietors have so much faith in its curative powers that they offer One Hundred Dollars for any case that it fails to cure. Send for its list of testimonials. Address: F. J. CHENEY & Co., Toledo, Ohio.

Sold by druggists, 75c. Take Hall's Family Pills for constipation.

Eight candidates are contesting for the Republican nomination for governor of Illinois.

Foley Kidney Pills will cure any case of kidney or bladder trouble not beyond the reach of medicine. No medicine can do more. Sold by Gibson Drug Store.

### ORGANIZE SIMMONS CLUB.

Enthusiastic Washingtonians to Push Senator's Campaign For Re-Election.

Washington, N. C., Feb. 28.—A large and enthusiastic gathering of prominent and representative citizens of Washington was held in the city hall last evening for the purpose of organizing a F. M. Simmons club whose object it will be to support the Hon. F. M. Simmons in his candidacy for re-election to the United States Senate, from North Carolina. Although the weather was inclement, quite a large crowd was present, together with the Washington Concert band and the meeting was most enthusiastic. The meeting was presided over by Mr. L. C. Warren who, after calling order, in a brief speech stated the object of the meeting, and Taylor; vice president, L. C. Warren and secretary, C. L. Payne. The club invited speeches from the audience. Short, but stirring and enthusiastic speeches were made by Capt. George H. Hill, Joseph F. Taylor, Dr. J. C. Rodman and others strongly advocating Senator Simmons for re-election and reviewing his record in the Senate during the time that he has held office, and calling on the voters of Washington and Beaufort county for their support in the coming election.

After the speeches the club was formally organized and the following officers elected: President, Joseph F. Taylor; vice president, L. C. Warren and secretary, C. L. Payne. The club was then declared open for membership and about three hundred members joined and expressed their willingness to support Senator Simmons and use their efforts and influence to help him throughout the campaign.

#### One Day's Auto and Trolley Accidents in New York.

New York World, 29th.

Automobiles killed two and mortally injured two others and trolley cars killed two in and near New York yesterday.

A little Brooklyn girl and several companions were roller skating in front of her home, when she was run down by an automobile and so badly injured that death soon followed.

William G. Ziek, a retired broker, was run down in Broadway at One Hundred and Third street. He died in the hospital.

A New Rochelle policeman attempted to arrest a chauffeur who tried to drive his car through a crowd of school children. He was hurled ten feet on his head and will probably die.

Several small boys were racing up Lexington avenue after school when one of them was knocked down by a touring car at Fifty-seventh street. His skull was fractured.

A man became confused in the maze of traffic in Sixth avenue near Fifteenth street and got in the path of a trolley car. He was taken dead from under the fender.

A little Montclair, N. J., girl and her small brother were riding their bicycles on the street car tracks when a car run them down. The boy escaped hurt by leaping from his wheel, but the girl ran into him and was flung under the wheel.

#### Cotton at Three Cents.

Kinston Free Press.

The sorriest bale of cotton sold on the local market this season was sold this week and brought three cents a pound. The cotton was raised within the corporate limits of the city, and was some that was picked up from the ground after the storm last fall. Another bale brought four cents. As an indication of the wide range in prices paid for cotton today, and at the variance in grades of cotton brought to the Kinston market, the highest bale brought 12.50 cents the pound, while the purchaser was probably stung at that.

#### How Colds Affects the Kidneys.

Avoid taking cold if your kidneys are sensitive. Cold congests the kidneys, throws too much work upon them and weakens their action. Serious trouble and even Bright's disease may result. Strengthen your kidneys, get rid of the pain and soreness, build them up by the timely use of Foley Kidney Pills. Tonic in action, quick in results. Sold by Gibson Drug Store.

Albert H. Shaw, a wealthy lumberman of Bath, has announced that he will be a candidate in the Republican primaries for governor of Maine.

You judge a man not by what he promises to do, but by what he has done. That is the only true test. Chamberlain's Cough Remedy judged by this standard has no superior. People everywhere speak of it in the highest terms of praise. For sale by all dealers.

Robeson county has just elected a county superintendent of health at a salary of \$2,500 a year.

### CASTORIA

For Infants and Children.

The Kind You Have Always Bought

Bears the Signature of *Chas. H. Fletcher*

Dr. Sun has so far demonstrated his shrewdness as a politician by refraining from stating that he won't be a candidate for another term.

### MEETING OF CLASSIS.

Rev. Harvey Holshouser Called to Rowan—Rev. C. B. Heller's Change of Faith.

Salisbury Post, 29th.

A call meeting of the North Carolina Classis of the Reformed church, this city, this afternoon. The meeting was convened at 1 o'clock. Rev. J. A. Foil, of Newton, is president of the Classis and is presiding.

The object of the meeting is to grant Rev. C. B. Heller, who has been pastor of the Faith and Crescent churches for a number of years, a discharge from the Reformed church in order that he may join the Presbyterian church, Mr. Heller having already accepted a call to the Presbyterian churches at Spencer and Chestnut Hill. A further object of the meeting is to discharge Rev. M. M. Noecker from the Zion Reformed church near China Grove so that he may accept a call to a church in Kansas.

A rather remarkable condition has been brought about by Rev. C. B. Heller changing his faith to the Presbyterian church. Rev. H. A. M. Holshouser, a former Rowan man and a Reformed preacher, some years ago went to Kansas and joined the Presbyterians, becoming pastor of a church in that State. The congregations of Faith and Crescent churches have now called Mr. Holshouser and it is understood he is willing to accept, though so far as known has not yet given a formal notice of the fact. It is a change about of faith and is an incident of note.

### PLUMP FOLKS AND THIN FOLKS

The line of beauty is a curve. Women may be thin and graceful, but not thin and beautiful. There is a vast number of pale, thin, scrawny people who are all brains and nerves, but without the strength and health that accompanies the standard weight. Good flesh and perfect health go together. A true flesh-forming food like Samose is absolutely necessary to many people.

This remarkable discovery comes in tablet form and when taken after meals mingles with the food and helps it to assimilate so that it makes rich blood and pleasing plumpness.

The Gibson Drug Store has so much confidence in this remarkable flesh forming food and health restorer that they are willing and glad to allow any customer to deposit 50 cents with them and take home a box of Samose with the understanding that if it does not give a marked increase in good firm flesh the money will be returned without any questions.

Editor Bryan may become so disgusted with the money trust that he will grow to be happy even though not an emperor.

Children are much more likely to contract the contagious diseases when they have colds. Whooping cough, diphtheria, scarlet fever and consumption are diseases that are often contracted when the child has a cold. That is why all medical authorities say, beware of colds. For the quick cure of colds you will find nothing better than Chamberlain's Cough Remedy. It can always be depended upon and is pleasant and safe to take. For sale by all dealers.

Trust magnates may give away money but not secrets.

### WILL ALBEMARLE BE LEFT OFF OF LINE?

Survey to Be Made Direct From Mt. Gilead to Mt. Pleasant.

A prominent business Mount Gilead, was a candidate for the representative of this paper, who was returned from a business trip to Norfolk for the Norfolk and Petersburg road, and stated to several of the Mount Gilead men that he had been authorized to survey from Mount Gilead to Mt. Pleasant via Albemarle. The survey is to be made direct. The survey is to be made in a few weeks.

It is said in Mount Gilead that Albemarle are not making any interest in the new road. The beginning of a survey from Mount Gilead to Mount Pleasant via Albemarle, he said, would be a survey from Mount Gilead to Mt. Pleasant direct would be a survey from Blalock's ferry and cross the river near Porters.

When asked as to what he had heard about the road coming to Concord he replied that he had heard nothing to the contrary and that Page was positive it would be met here. Continuing he said he don't think they would be making the two surveys to Mount Pleasant as they were not going to run the Concord.

Many sufferers from rheumatism have been surprised and delighted with the prompt relief afforded by applying Chamberlain's Liniment. No one case of rheumatism in ten requires any internal treatment whatever. This liniment is for sale by all dealers.

J. P. Morgan has not made any display in the way of public gifts. But his fine art collection may cause future students to recognize him as one of the great philanthropists of his time.

Chamberlain's Cough Remedy has won its great reputation and extensive sale by its remarkable cures of coughs, colds and croup. It can be depended upon. Try it. Sold by all dealers.

Enterprise, indeed! a motor boat is operating on the Dead Sea. Nothing old Chadron will have anything of the kind for the ferry on the River Styx.

You can say good-bye to constipation with a clear conscience if you use Chamberlain's Tablets. Many have been permanently cured by their use. For sale by all dealers.

## PATENTS

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**D. SWIFT & CO.**  
PATENT LAWYERS,  
303 Seventh St., Washington, D. C.

# Salt Fish

WE HAVE JUST RECEIVED A LARGE INVOICE OF NEW GENUINE LAKE WHITE FISH—Largest Size and FRESH The 1911 Catch. We will sell by the Full Package only, but we can accommodate you in the Size and Price—

LARGE BARRELS, PRICE \$4.25  
 HALF SIZE, PRICE \$2.25  
 LARGE KITS, \$1.25  
 SMALL KITS 90 Cts

These Prices are very close for Cash or Barter for Country Produce.

## Cline & Moose

### KIMBALLVILLE FARM

Operated in Connection with the New Kimball, ATLANTA, GA.

Now Is The Time To Place Orders For Eggs

Crystal White Orpingtons, Kellerstrass Strain, \$10 and \$15 per setting of 15.  
 Black Orpingtons, \$10 and \$15 per setting of 15.  
 S. C. White Leghorns, \$3.00 per setting of 15.  
 Indian Runner Ducks, Penciled, \$2; Fawn and White. Pure White, \$3 per setting of 11.  
 Prices of Stock on Request.