

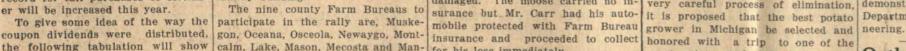
This increased volume of business has made it possible for the Farm Bureau to effect an extra saving on the purchase price and this extra who purchased under the new 5 per cent discount plan, making their saving 51/2 per cent instead of the per cent guaranteed.

ed.

of the rally.

The success of this undertaking ering at 10 o'clock in the morning, as makes it appear quite probable the the general session opens in the com- of the blow and the car was badly record for fall purchases of fertiliz- munity building. er will be increased this year.

he following tabulatio counties. ALLEGAN tivities. Floyd Anson, Mont. Baird, Chas. Baldwin, F. M. Barden, Harry Barton, Ben Becksvoort, B. Begeman, Chas. S. Belden, Geo. H. Bloss, Ger-Brinkert, Ralph Brower, Albert be made for the luncheon. Buege, F. Buhler, W. J. Cleveland, Fay Coon, Fred Davis, Allen Dunfield, Chas W. Farrell, Benjamin Fokkert, G. J. Fokkert, E. A. Fowler, Clyde C. Freeman, H. Gardner, Bert Graham, Edd. Gunneman, Lester Gunneman, Ralph Hanerdink, Lewis Heasley, Jacob Heibel, J. L. Hirner, F. W. Hull, John Joostberns, Geo. Kaper, Daniel Kelly, Thos. M. Kelsey, Jas. Kleinheksel, B. J. Klinesteker, Roy E. Levett, James A. Lohman, John Lohman, Albert Meiste, C. S. Methven, Sylvia Mills, R. R. Monteith, Wm. A Moomey, James Nicol, Arthur O'Dell, Henry Overbeek, Martin Palmbos, Louis Pol. Sylvester Raab, C. H. Rankin, Nelson J. Ransom, Jay D. Russell, Henry Sal, Andrew Schley, Scholten & Boeve, Adam Sebright. Guy A. Shuck, Frank A. Smith, Dick Smith, Fred Steeby, Jos. Strickfad-en, Edw. H. Tank, Taylor & Jager,



The premium committee of the Top

here this week, announced a very un- and 4:00 P. M. and at other times related to the policy which may be isual contest t obe held in connection with its next annual show, to be held committee.

October 31-November 1. Through a



are to be used, a limited number will be furnished by the college. Arrangements for horses should be made prior to August 1 through Mr. R. S. Hudson, superintendent of the college farm.

Michigan Potato show, in session tween 10:30 and 11:00 A. M. and 3:30 said to be definitely and intimately during the day by permission of the

it is proposed that the best potato Department of Agricultural Engi- 72 per cent of the bearing citrus Tha tnight another big banquet will



The economic situation of Florida, the immediate future of the State, is bureau, adopted in relation to the Mediter- third day's tour will start. The Lake ranean fruit fly. The region invol- City experimental farm will be visit-7. For further information on the ved in the infestation is 34 per cent of ed along with numerous potato fields, damaged. The moose carried no in- very careful process of elimination, demonstration, see E. C. Sauve of the the land area of Florida. It contains in Missaukee and Wexford counties.

average, 80 per cent of the carload chamber of commerce, at Cadillac.

will be spent in the Emmet County fields and towards evening the party will find itself at Indian River State Park, ready for a picnic dinner, bathng, contests, etc., as guests of the Northeastern Michigan Development

During the night the party will move to Roscommon, from where the trees, and based upon a three-year be given, this time by the Cadillac

The Carr family was traveling

together for a strictly women's gath- car broadside.

extension department of Michigan

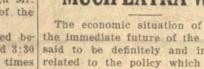
In connection with the rally there State college, actually did a week or is to be a mid-day luncheon during so ago.

which time Henry Henrickson will benefit is going back to members preside. He will tell of the objects through part of the Upper Peninsula on a clear highway when a cow

Women who participate in the rally moose jumped into the road as their will be afforded an opportunity to get automobile drove past, ramming the

The moose was killed by the force

6. Equipment will be operated be-



Bert Tellman, Ed. Tellman, Arthur Thede, Fred C. Townsend, Gerritt Whitcomb, Roy Wilcox, R. F. Valleau, Zerfas Brothers, Will S. Thom-

BARRY

H. W. Aldrich, Marcius Bagley, E. Brodbeck & Son, Paul Brown. Walter Brown, Royal A. Bryant B. Burchett, Elmer E. Bush, Lottie Cridler, F. A. Eckardt, K. F. Eckardt, Ernest Farr, Geo. Foreman. Geo. Dewey Doster, Irving Frye, Frank F. Garbow, Philip Gerlinger, Carrie Grozinger, Ernest Hall, M. J Hartom & Son, Alvin Hathaway, Maurice Healy, Andrew J. Henry, Jordon Brothers, R. G. Kelly, John C. Killick, Adrian L. Kyes, Eli Lindsey, A. D. Miller, Ezra Morehouse, Norman Brothers, T. W. Rockwell, John S. Rogers, Otto L. Schantz, Chas. A. Scott, D. W. Shepherd, Harry F. Stevens, Loren Tungate, Walt-er Warner, Fred L. Wright.

BERRIEN

G. J. Allen, Noah E. Anderson Rolla Arnt, A. N. Bailey, Wm. Bakeman, Ballard Brothers, Wm. H. Bartz, Fred A. Bowman, Frank Brown, Dean Clark, Glenn Clark, E. E. Dawes, Douglas Dean, William Eggert, Russell C. File, J. J. Foster & Sons, Chas. I. Gale, Louis Hack- shifting sand. (Continued on page three)

calm, Lake, Mason, Mecosta and Man- for his loss immediately. who received dividends in the various istee. All members of the Farm Bur-

rit J. Bolks, Henry Brink, John August so definite arrangements can of Michigan motoring.

Going Strong

Despite the fact that haying and the trunkline highways to lick the grain harvesting interferes, the Mich. calcium chloride which is spread to igan agents of the State Farm Mutual keep the road from becoming dusty. Automobile Insurance company con- The chloride is in the form of a salt ditions of July 1, is estimated at 19,- other groups in the United States been withdrawn from entry, accord- the work of the Mediterranean Fruit tinuc to write close to a hundred ap- and is used quite generally throughplications a day for insurance. out the state on highways.

According to current reports from ferably Prince Edward Island. Not eau are urged to attend the rally and Upper Michigan, as many as 42 deet only will he be tested on his ability

participate in its discussions and ac- have met death on the highway be- to select an outstanding peck of potween Newberry and Munising since tatoes, but his yield per acre, the whose owners were unable to work fly is upward of \$60,000,000. A capital to be congratulated upon their op-

One reason advanced for the heavy accidental death rate among the deer Predict Increase population is that the animals seek

In Flaxseed Crop

Production of flaxseed in the Unit-

year's crop of 18,700,000 bushels. 000 persons in 1,037 homes.

great potato producing centers, pre- Outlaw Horse Will

Friday, August 2.

Aid 80,000 Persons.

shipments of citrus fruit originate in Be Harness Broken the citrus crop and from other host railroad to Toledo and various Ohio The training of an outlaw horse crops which may be affected by the points. Michigan potato growers are Members planning to attend should the first of the year but the incident quality of his crop, and his ability to him and had decided to sell the ani-Michigan State college, at 10:30 a. m., fruit represent an annual income of paring for the visit. approximately \$52,000,000.

Withdraw Big Tract

Homes for the aged maintained by Nearly 2,000,000, acres of public business in Florida in the past few ed States for 1929, based on crop con-fraternal, religious, trade-union and lands, classified as potash lands, have weeks, due, iargely it is claimed, to 900,000 bushels, as compared to last have facilities, for approximately 80,- ing to a statement made public by the fly which is a new pest in that secsecretary of the interior.

The party will return by special this area. The annual income from train that night via Michigan Central

Flies Break Banks

About 25 banks have suspended tion of the country.

Method To Get Alfalfa Stands on Light Soils

State College Soils Man Reports Success Four Straight Years On Light Sandy Soils; Explains Advantages of System And Planting Procedure

By A. G. WEIDEMANN

Soils Department, Michigan State College, in the Quarterly Bulletin Tucker, Paul Vandenberg, D. C. D. of the Experiment Station for November, 1928.

FOUR SUCCESSIVE YEARS

Those who have had experience with alfalfa and clovers on the light soils of Michigan know that seeding of these crops are as difficult to obtain as the crops are important. There are several methods for seeding these crops which have been used with varying degrees of success. In our sand land studies, however, we have found the seeding of the legume in stubble in late summer to have been successful four years in succession. Perhaps the most common method of seeding these crops is that of seeding in spring with either fall or spring sowed grain. This method

proves reasonably successful on the heavier types of soils which are capable of holding enough moisture to support two crops, but, too often there is not enough moisture in sandy soils to support both crops and, as a result, the legume crop is sacrificed.

DIFFICULTY WITH SHIFTING SAND

Another common practice, especially for sweet clover or alfalfa, is to seed them alone in June, July, or early August on recently prepared seed beds. This method has also proved very successful on the heavier types of soil, but, on the sandy soils which are easily shifted by the winds it is not uncommon for whole fields of new seeding to be destroyed by shifting sand. In many cases seeds are uncovered or deeply buried before they have had a chance to germinate.

The practices of top dressing with manure or using a light seeding of grain, which should be clipped early in the season, have been recom-mended to prevent injury to the legume seeding by shifting sand. While these methods are partially successful, they have faults which are worth considering. The writer has tried both of the above mentioned methods without the desired degree of success.

First: Either method makes it necessary for the farmers to sacrifice one season's crop.

Second, even a light seeding of a grain crop would compete with the legume seeding for moisture; while, at the same time, the thinner the nurse crop, the less effective it would be in preventing injury from

Third, while the manure top dressing tends to prevent sand from shifting with the wind and takes no moisture from the soil, it usually carries with it enough foul weed seeds to produce a crop of hardy vigorous weeds which would be just as great a competitor for moisture as any nurse crop.

SUMMER SEEDING IN STUBBLE

In experiments carried on in efforts to get seedings on the light sandy soils near Grayling, many discouragements were met until the practice of summer seeding in grain stubble was adopted. There is usually less moisture in the soil at that time than in early spring but the temperature conditions are more favorable so that, if seeding is done after a rain, germination takes place quickly and in a very short time the rootlets are well on their way to the lowest layers of soil where the moisture content is more constant.

Such soils have such a low water holding capacity and it is so easy for water to penetrate them that it sometimes happens they are almost saturated to considerable depth after a July or August rain. Such moisture conditions would be ideal for summer seeding. The advantages of seeding in stubble are:

First, the stubble prevents the wind from blowing the sand and thereby cutting off the seedlings.

Second, the stubble takes no moisture from the soil.

Third, the crop residue tends to decrease the amount of evaporation from the surface of the soil.

Fourth, it holds snow in the winter which forms a protecting blanket over the new seeding.

This method of seeding would probably be unsatisfactory in fields where large numbers of weeds are growing in the stubble as is very often the case on heavy soils, but those conditions are not so common on sandy soils, especially if the grain crop follows a well cultivated crop.

KINDS OF STUBBLE TO USE

In following the method of seeding in stubble, one finds advantages and disadvantages in different kinds of stubble. Rye, which is best adapted to light soils, leaves a very good stubble but it has the disad-vantage of shattering somewhat and leaving seed on the ground which produces a crop that is not killed off in winter. Oat stubble is not so durable as rye stubble, while at the same time the oat crop ripens later, which necessitates later seeding of the legume. Any oats that shatter and grow will be killed by winter frost and will not interfere with the legume crop the following year.

Perhaps the best stubble would be produced by growing peas and oats or some similar crop to be cut for hay before it ripens. In such a case, earlier seeding of the legume would be possible and there would be no ripe grain seeds to produce a catch crop which would compete with the

legume seeding for moisture. Either rye or rye and vetch when cut green will leave a good stubble but they do not make as good hay as oats or oats and peas. By using any of these crops, either cut green for hay or allowed to ripen for seed, one is enabled to harvest a crop from a field the same year that the legume crop is started.

FOUR YEARS' EXPERIENCE

The idea of seeding in stubble was conceived by the writer in the summer of 1925. That year rye was removed, the soil lightly harrowed, alfalfa sowed, the soil harrowed again with a spike-tooth harrow, and then rolled with a heavy concrete roller. The results so far as the alfalfa seeding was concerned, were remarkable, although a crop of rye was also produced which had to be clipped. The following season, being an average one, the experiment was repeated with equally good results. The next year, 1927, the experiment was repeated with slight changes in proceedure. That time the soil was loosened by going over it very lightly with a disc harrow. By so doing enough soil could be locsened to cover the seed without disturbing the stubble as much as by using a spring tooth harrow. The seeding was done only July 27, 1927, and, regardless of the fact that the rainfall at Grayling during the month of August, 1927, was more than two inches below normal, a perfect stand of alfalfa was secured.

In 1928, peas and oats were sowed in the spring and cut green about the middle of July, after which the stubble was slightly disced and one-half of the area was seeded to alfalfa, one-half to sweet clovef. In all experiments, the soil was rolled with a heavy concrete roller after seeding. On October 12, when the last observations were made, the stands of both alfalfa and sweet clover which had been seeded in stubble remarkably good, while, in another field, the stand of sweet clover which was seeded in April, 1928, partly on bare soil and partly on soil which had been top-dressed with manure, was very patchy and largely obscured by a crop of weeds. The sweet clover on the high spots of the field where it was not protected by stubble, was completely destroyed by shifting sand.

DRILLING AND CULTI-PACKING

Another method of procedure, which appears to be promising is that of sowing the legume seed in the stubble with a drill and following with a roller or cultipacker. By use of this method, the seed would be put into the ground better with less destruction to the stubble than would be the case if a harrow or disc harrow were used.

It would hardly be fair to say that the method of summer seeding of legumes in stubble is 100 per cent perfect; yet, in view of the fact that it has proved successful four years in succession on the very light soil of northern Michigan, the least one could say is that it is well worth trying on soils which are easily shifted by wind or on those which do not hold enough moisture to supply a seeding and a nurse crop at the same time.

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This comes about through increased volume of purchasing.

Only the truest co-operation can increase the volume. Every time a Farm Bareau purchase returns an extra one half of one per cent on the purchase price, the market price of this commodity is effected, whether sold under Farm Bureau brand or the brand of other dealers. This is the ultimate aim of cooperative buying and the Farm Bureau member who patronizes the dealer who does not sell Farm Bureau goods is not doing his part in maintaining low cost levels on the commodities all farmers are obliged to purchase. He is not a true co-operator.

The Farm Bureau needs the utmost in co-operation all down the line. It is not a corporation of a few individuals who reap the benefits in added profits when the cost price is beaten down. It is an organization in which every purchaser on its roster shares on an equal basis with every other one.

True, a sixty-seven cent patronage dividend on the purchase of seeds, feeds, fertilizer or twine in a year is a pretty small item, Some members may not have received more than that. Without checking the records for last year we can not say, but the principal thing is that, if the requirements of any member did not warrant his purchasing sufficient Farm Bureau commodities to. effect a greater saving than this sixty-seven cents as his share of the total, he has done his part in the work of co-operating to protect his markets. That is sufficient.

However, if he has permitted himself to patronize concerns that sell in open competition with the Farm Bureau dealers, giving the Farm Bureau only a portion of his business and on this business realizing only a comparatively small dividend at the end of the year, he might well reflect on his purchases and he, possibly, might accept this dividend as something the Farm Bureau actually has "given him."

To the Farm Bureau member who confines his purchases entirely to Farm Bureau goods, wherever possible, these patronage dividends return, not as anything given by the organization. but as his portion of the saving made in the purchase price. Such a member does not await the arrival of the day of distribution of dividends, ready to take his place in line to get his share when they are handed out, but can be counted on to accept his returns with a feeling of satisfaction, regardless of the actual amount he may receive, knowing that whatever he has coming is only part of the compensation for true co-operation.

FARM ORGANIZATION

It is especially gratifying to note the willingness with which the daily press of the country accedes to the idea of setting up a stronger, more closely knitted fabric of agricultural organization in order that the most can be accomplished for the farming industry.

The Saginaw Daily News had a very interesting and sympathetic bit of editorial comment in its columns on July 22 under the caption, Farm Organization, It follows:

'Ofganization has achieved a great deal for labor, it is found indispensable in large financial, commercial and industrial operations, while every institution, big or little, succeeds the better with such measure of organization as it needs. Just now there develops a powerful movement for better, for general organization of farmers. It is a movement which receives stimulus from the recent statement of the heard of the federal farm board respecting the personnel with whom its dealings will be had. What is afoot is fairly well summarized by the periodical published by the Illinois agricultural association when it says:

"The agricultural marketing act and the federal farm board, it is hoped, will point the way to stabilization at a profitable level. Farmers recognize their responsibility in the work that lies ahead. We must learn first, however, that co-operation means the individual support of every farmer to his livestock shipping association, producers' commission association, co-operative fruit and vegetable growers' association, seed growers' exchange, and cream shipping association, co-operative farmers' elevator, co-operative farm supply company and the farm bureau.' "Government figures show that 2,000,000 farmers organized out of a total of 6,500,000 last year and about one-third of the farmers in the country are in co-operatives. Minnesota is at the head of the farmer organized states, Iowa second, Illinois third, and Wisconsin and Michigan well up toward the top. Undoubtedly, it would be more profitable for the farmers to be more generally organized, the financial successes of the cooperatives rather establishing this point. Indeed, it is generally conceded that with better and more general organization among the farmers themselves, measures for farm relief would long. since have been taken."

With all the principal co-operative marketing associations of the country affiliated with the institute, which is now in its fifth year, information on ever phase of the agricultural marketing problem will be available for the farm board members. The American Farm Bureau and the Michigan Potato Growers Exchange are participating organizations helping to make up the institute together with some 20 other associations.

AVOID THE FAKERS

Farmers and housewives are warned against buying preparations to be added to feed and drinking water which makers say will control external parasites on poultry and other animals consuming them.

Neither should any one be misled by the theoretically plausible claims made for preparations designed to be absorbed by the sap of trees to control fungons diseases and to kill insects on and in the trees.

Preparations to be hung in the home to drive away all household pests, purify the air and to prevent disease are also useless.

One of the misbranded preparations sold to control lice, mites, ticks and fleas on poultry and other animals by being taken into the system with the food and drinking water could be bought for 18 cents a gollon. This preparation, retailed in small containers, has netted the producer \$64 a gallon. Neither this mixture nor any of the many similar mixtures could produce the results claimed for them.

Liquids, powders, and capsules to be placed in a hole in the tree, under the bark, or in the soil, and paints to be applied to the trunk of the tree, have been examined by chemists for their alleged powers to control fungous diseases and to kill insects when, according to the advertising literature, the substances are taken up by the sap and carried to all parts of the tree.

Not'only is the value of these "remedies" very questionable but many of them actually harm the trees. They may cause serious damage to shade and orchard trees, and in case of the latter, endanger the crop through failure to control insects and diseases.

Housewives are especially cautioned not to believe the glittering promises made for attractive little cases containing a chemical, which, when merely hung in a room, will drive away or kill moths, ants, roaches, flies, and mosquitoes, and at the same time disinfect the room, purify the air, and prevent disease.

MICHIGAN DAIRY FACTS

Dairying is the largest single agricultural industry in Michigan with a total value greatly in excess of \$100,000,000. Michigan has a farm population of 791,553 and a total population of 4,490,000.

There are 841,000 dairy cowss and heifers, two years old and over, in Michigan.

The average annual production of Michigan cows is 4,429 pounds of milk.

The average annual production per cow in Cow Testing Associations is 298 pounds fat and 7,563 pounds milk; the highest state average per cow in the Union.

Michigan has 90 Cow Testing Associations and six Bull Associations. Michigan was the first State to develop Cow Testing Associations and Bull Associations.

There are 1,104 herds in Michigan that average 300 pounds of butterfat per cow.

There are 70 herds, totaling approximately 1,625 cows on breed association herd tests.

There are 600 cows being tested for advanced registry records in Michigan.

Michigan Dairy. farmers sold 16,000 cows to dairymen of other states in 1928.

Michigan ranks sixth among the States of the Union in the production of milk.

Michigan harvests annually over 500,000 acres of alfalfa

DEDICATE COLLEGE DAIRY BARN AUG. 2

National Dairying Leaders Slated To Participate In Big Program

Michigan State College is planning the dedication of its new dairy barn, just completed on the campus, Aug. 2 with a banquet scheduled to be held in the haymows of the new structure. This event is considered one of major importance to dairymen of Michigan in that the new barn is one of the finest in the country.

The dedication ceremony will be attended by such notables as O. E. Reed, chief of the bureau of dairying at Washington, formerly head of the college dairy department; Martin Seidel, president of the Michigan Creamery Owners and Managers Association; A. C. Anderson, former head of the dairy department of M. S. C.; Prof. J. F. Cox, dean of the college of Agriculture; Prof. E. L. Anthony, present head of the dairy department of the college; John Endicott, president of the Michigan Guernsey Cattle Breeders association and other men prominent in Michigan dairying activities.

Mr. Seidel is to serve as toastmaster at the banquet with Prof. Anthony presiding.

Music is to be furnished, by the Boys Vocational School Band, of Lansing. The banquet will be served at 6:30 o'clock.

EXCHANGE RETAINS MEMBERS OF BOARD AND OLD EXECUTIVES

(Continued from page 1) wood, of Mt. Pleasant; H. H. Sanford. of Battle Creek and Frank Gilmore, of Parma.

Sam H. Thompson, Chicago, presilent of the American farm bureau federation, who was the principal speaker at the annual banquet, outined some of the major points of the program of the federation in relation o state and county farm bureaus.

"Ten years ago the American farm, bureau federation started a program or co-operative marketing to effect a better system of distribution. This was started in the face of opposition. Public opinion was against it, but tolay our enemies of 10 years ago are advocating the plan of co-operative marketing.

"As a result of our efforts in the last session of congress the system was recognized. Congress recognized the need of a permanent policy for agriculture.

He pointed out that outstanding chievements were made through organized efforts. He stressed organization for the farmers as their only way to put their business on a sound basis.

"From the farm homes of America ave come the greatest contributions o American life. The farm furnishes he fabric of our government and has contributed much to society," he said. "In planning the future we are not willing to consider the machine sysem of agriculture that will do away with the present-day farm homes and put the industry in the hands of big manufacturers who would employ people like they do in your automobile factories," he remarked.

The second	C. J. UIII COLCHOCH
Benton Harbor	M. D. Buskirk Paw Paw
F. L. Granger, Sales Mgr	F. L. Bradford St. Joseph
Benton Harbor	J. W. Prentice Saugatuck
Miller Overton Bangor	O. R. Gale Shelby
J. F. Higbee Benton Center	H. H. HogueSodus
David Brake Fremont	James Nicol South Haven
P. D. Leavenworth	W. F. Dean Eau Claire
Grand Rapids	C. L. Brody Lansing

AMERICAN FARM BUREAU FEDERATION

Editorials

PAYING DIVIDENDS

The Michigan State Farm Bureau has been, returning dividends to certain loyal members. Some of the dividends are for but a few cents, some are for many dollars. All are returned on the business done in Farm Bureau commodities.

There was no gamble or speculation connected with these dividends. They had no bearing on any profits or excess earnings. They were simply and wholly an item of saving made possible through honest co-operation. That's all the Farm Bureau dividends were.

Some look upon them as something which the organization gives them while others even go out of the way to figure out how much they might have to do to "earn this money."

The Farm Bureau doesn't give anyone anything but service. The institution was not founded with any thought of making money for someone or some group and does not operate on that principle. It carries on for the good that can come from well directed co-operative action. Whatever can be saved. through Farm Bureau services returns to those who are mosts loyal and who purchase such commodities as have merited the stamp of approval of this great organization.

To call a dividend on the purchase of Farm Bureau Brand fertilizer a profit is all wrong. To tell a friend that the Farm Bureau "paid you only a dollar and a quarter" last year is wrong. If you got a return of a dollar and a quarter on your purchases of Farm Bureau commodities last year, that was only the saving you effected by staying with the other cooperators.

When the Farm Bureau executives figured on the market price of fertilizers last winter and conceived the new idea of fertilizer distribution, as put into effect this spring, they saw possibility of making some appreciable saving in the cost to the member. They saw that at least five per cent of the price could be eliminated and they presented the new idea to the membership in each community. Some members accepted the plan and placed their orders. To them an extra one-half per cent saving will go when the spring fertilizer business is finally tabulated, it is indicated as the costs are figured. Instead of saving the member five dollars on every hundred dollar purchase, the new idea of distribution is saving the members five dollars and fifty cents.

BESEECHING HELP

As might have been anticipated, many struggling co-operatives have lost no time in beseeching the newly established federal farm board to lend them a dollar from the five hundred million dollar fund created for authorized by Congress for relief of the tense situation in the agricultural industry.

The board has assumed a very business like attitude from the start in asserting that the various co-operatives must have exhausted all lines of reasonable credit from private enterprises before looking to the farm board for financial assistance. That a clear showing of need of action by the board to assist such cooperatives must be made is seen as very essential if the revolving fund is to actually revolve.

As Rep. Free, of California has said, the primary purpose of the federal farm board should be to work out a system of closer distribution of farm commodities, shortening the distance or eliminating the lost motion between the producer and the consumer.

Cutting out much of the rehandling and reshipping of foodstuffs would work to the advantage of the producer and the consumer alike. Instances could be cited where processed agricultural commodities pass through the hands of several brokers and commission men before being offered to the consumer or even to the retailer. Any system which would tend to shorten this route or lessen the detours would be an aid to our agricultural industry in that a closer balance could be struck between actual production costs and the costs to the consumer.

With representatives of the farm board in attendance at the American Institute of Co-operation in August, there will be a fine opportunity for the new board to feel out the sentiment of the co-operative leaders from all parts of the nation and also a great opportunity for the representatives of these co-operatives to hold informal discussions with the board members or matters relating to their respective operations.

The institute will afford the board its first opportunity to actually "sit in" with the nation's agricultural co-operative leaders and the nature of the institute makes it one which should develop some very valuable and workable information for the new agricultural directors of America.

which gives a total yield of over 1,100,000 tons. Alfalfa plays an important part in the production of milk in Michigan.

Michigan has 567,921 dairy cattle under State and Federal Supervision for Tuberculosis Eradication.

The Michigan Milk Producers Association has a membership of approximately 14,000.

In 1927 Michigan produced or manufactured 4,615,738,849 pounds of milk : 69,368,144 pounds of creamery butter ; 10,371,462 gallons of ice cream; a total of 15,473,570 pounds of cheese, 143,968,596 pounds of condensed and evaporated milk products; and 15,103,692 pounds of dried or powdered milk products.

Michigan ranks fifth among the States of the Union in the manufacture of creamery butter.

Michigan has 426 milk plants; 300 creameries; 232 ice cream plants; 50 cheese factories; 48 condensing and evaporating plants, and 31 powdered milk plants.

Each person in Michigan consumes, on the average, 60 gallons of milk and 23.5 pounds of butter per year.

Michigan is importing large quantities of butter and cheese each year.

Five different cows have made world's records in the dairy barns of Michigan State College.

More Women Than Men **Acquire Great Wealth**

Interesting Tabulations Show lar brackets.

> How Women Are Coming To Front

One answer to the growing control Housewives lead in numbers among in force eighty per cent will eventual-

thus from inheritance are further millions actually being made by the mergers and big business so that work and skill and business acumen larger dividends can be paid on the. employed.

women maintain their present rate of other industry," Mr. Thompson added.

And the bucket shops, the loan sharks, the fake-stock salesmen, the indigent relatives and all the other parasites are having a harder time. coming wiser investors as their threatened milk shortage.

Producing Best Foods

Mr. Thompson declared that, the rosperity of the nation depends on he farms. "Today in America we are eating the best food products ever produced in the history of the world. and they are being produced by the most intelligent group of farmers in the world," he exclaimed.

Prof. Howard Rather, of the farm crops department of Michigan State college, introduced the speaker.

Following Mr. Thompson's address, the gathering, which numbered more than 500, was entertained by Dr. John L. Davis, lecturer, and humorist of New York city,

Speaking before an informal meeting of farmers at the Michigan Farm bureau building. Mr. Thompson declared there is no group in America more willing to sacrifice for their inlustry than the farmers.

He said the farmers have adopted cood business judgment and in so doing have turned the American Farm Bureau federation, a bankrupt organzation four years ago, into a stable. rganization with a large surplus tolay.

He said the healthy condition of the of American wealth in the hands of to the sound judgment of the board of federation at present is mostly due women is found in life insurance. directors. Farming is the basic in-Millions have already been paid, and dustry in America and the American of the \$95,000.000,000 of policies now farmer is the most efficient in the world," he declared.

State public-utility system. More Furthermore, women receive seventy group that has done more to solve per cent of the estates left by men the agricultural problem than the the American Telephone & Telegraph and sixty-four per cent of the estates farm bureau. "Although handicap-And added to the millions coming ahead," he said. ped, the organization has plunged

> of 8,500,000 women who are gainfully amount invested and it is up to the Though no one believes a financial marketing and efficient production. farmers to merge for co-operative matriarchy is coming, Lawrence Through co-operation the farmers Stern & Company, who tabulated will have a recognized policy to exthese figures, have calculated that if pand agriculture on a basis with

> > **Build October Milk** Production Profits

If all the good dairy cows that freshen this spring are fed for full to take it away from these women be producing enough milk, in Octobthan ever before. For women are be-coming wiser investors as their er and November to take care of the

the stockholders of a large New York | ly come into the possession of women.

000 women own stock in the United States Steel Corporation, and more than fifty per cent of the shareholders of the Pennsylvania Railroad are

In fact, forty-one per cent of the individual wealth of the whole United States is already controlled by wotunes is growing every year by leaps

in 1926, and this takes into reckoning the year 2025. no income on which a joint return was made by husband and wife.

Forty-four women paid taxes on net incomes of more than \$1,000,000 each, and 139 women paid incomes of over \$500,000-while there were only forty-two men in the million-dollar class and 123 in the half-million-dol- wealth increases.

women.

men-and their accumulation of forand bounds.

Women making individual returns financial ascendency, all the wealth paid taxes on \$3,297,527,089 of income of America will be in their control by

FRIDAY, JULY 26, 1929

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Michigan Farm Bureau Supply Service Lansing, Michigan

Fertilizer For Alfalfa

Alfalfa is a heavy feeder on phosphorus and potash. Proper application of fertilizer carrying these ingredients, in accordance with the fertility of the soil, gives very beneficial results in starting new seedings.

Farm Bureau Super-phosphate 0-44-0 is a high analysis, carrying more than twice as much plant food per ton as 0-20-0 and is especially recommended for alfalfa. Apply 100 to 150 lbs. per acre. If you use Farm Bureau 0-20-0 apply 200 to 300 lbs. per acre.

Farm Bureau 0-24-24 is a high phosphorus and potash carrying fertilizer suggested for soils that are well supplied with nitrogen but are deficient in potash. Manured sandy soils come under this classification. Apply 100 to 150 lbs. per acre. If you use Farm Bureau 0-12-12, apply 200 to 300 lbs. per acre.

Farm Bureau 2-12-6 is suggested for alfalfa soils that are a little low in nitrogen. Apply 200 to 300 lbs. per acre.

The above Farm Bureau fertilizers may be applied at the time of seeding the alfalfa.

Lime must be used where needed. Application of 6 to 8 tons of manure per acre when fitting the seed bed, or applied to the previous crop, is important in establishing alfalfa. When manure is used weeds are a problem and more fitting is necessary in order to kill all the weeds possible before seeding. Well rotted manure helps solve the weed seed problem.

Ask your authorized distributor of Farm Bureau products to supply you with Farm Bureau Fertilizer.

Michigan Farm Bureau Supply Service Lansing, Michigan

FERTILIZER INCREASES NET INCOME

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B. F. radio program every

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FRIDAY, JULY 26, 1929

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Discount in rates where dwellings have fire resisting roofs also for fire extinguishers and our policy gives more protection than most poli-cies. Over \$200,000 Cash Assets and over \$75,000,000 at risk.

W. T. LEWIS, SEC'Y, 702 Church St., Flint, Michigan.

Camp Blankets \$5

You will like this Farm Bureau camp blanket. It is a dark grey wool, single blanket 66x80 inches and weighs 4 lbs. Decorative black border across blanket near each end. Ends bound with neat stitching. Not only will this blanket keep you warm on your camp-ing trip, but it is a good blanket for home use. Offered at \$5, post-age prepaid, and guaranteed satisfactory, or your money back, Six per cent discount to Farm Bureau members.

Michigan State Farm Bureau

Clothing Department

Lansing, Michigan

WHAT IS WRONG?

Women Should Learn **To Talk Farm Bureau**

Mrs. Wagar Sees Possibility bors until we are assured that we Of Women Doing Much For Organization

By Mrs. Edith M. Wagar. "During the past few months, I have had closer contact with the her family such as the organization Farm Bureau women of many coun- has given in the past and will in the ties than has been my privilege and future. We muct realize that all pleasure in years past, and it is my other business groups are getting orhope that through the district meet- ganized and merging their interests ing plan, we may continue these con- more intensely every day, until agritacts. They have meant much to me, cultural leadership has much cause for they have been the maens of for alarm and realizes that it is most bringing out the exact attitude of necessary for farmers to shake themfarm women towards our organiza- selves out of their indifference and tion.

"I am most agreeably surprised so tection and self preservation. many times, to find such loyalty and "We must understand that while such understanding of our policies we have struggled and fought for recand the enthusiasm to continue in ognition of the farmers' needs in the service. Such evidences mean far extreme depression of the past few more than the majority of our mem- years, we have gained the attention bers realize, for they add much en- of all other groups and all other incouragement to those bearing state terests. and national responsibility in the Farm Bureau movement.

"We find women everywhere ready effective the farm relief legislation to counsel with us as to means of granted by our special congress we added service and as to methods of have a tremendous job on our hands increasing the interest and of in getting our various types of farmspreading the information concerning ing units into co-operative organizathe why, the how, and the when of tions through which those measures Farm Bureau work.

"More and more our women are attending meetings and rendering ser- manding of us what we have been so vice. More and more our men are slow to do for ourselves and that is seeing the need of women sharing to organize as business interests have the responsibility. Every year we organized and labor has organized. notice a few more counties placing women on their county boards and have had brought to light many and several counties have chosen women varied opinions concerning what the to serve as secretary or treasurer of Farm Bureau is and what it should county organization. Then, do. Some of our women look upon their again, we find women serving on ad- the work of the Extension forces of visory committees helping to plan the state as strictly Farm Bureau county quarterly meetings; helping work and again many do not connect to compile prospect lists; helping to the two in any way. Both are parmake county surveys of various types | tially right but almost wholly wrong besides the numerous things which The Extension work is directly under only women seem to know how to the supervision and control of the make possible, such as the right set- State college and Extension Division ting for a meeting; the proper kind of the Federal Department of Agriof a lunch to be served and the serv- culture and the Farm Bureau does ing of it; or acting as a reception not dictate nor control any part of it. committee and making everyone glad from the very beginning.

we want that womanly touch to Bureau organization has supplied the broaden out until it is evident in local funds in the majority of counevery Farm Bureau community in ties to match the state and federal Michigan and until it is so appre- portion so as to be able to retain a ciated that it will become one of the county agent in the county until such great factors enumerated in our prog- time as the county itself could asress and our ultimate success.

"There are many places where we a most worthy cause to support and can strengthen ourselves and hasten has been the means of giving direct our progress. We can study each personal assistance to thousands uppart of the Farm Bureau work until on thousands of farm men and women we are familiar with its history, and and boys and girls within our state with its future objective. We can "But these people should not be study its application to our own unmindful of the fact that the Farm needs and to the needs of our neigh- Bureau had to necessarily curtail its

Serving Agriculture **Freight Audit** Often Discloses Overcharges made through error

must continue" to have this kind of service as a real insurance to our business of farming. "We must be able to convince our

doubting neighbor that she could not afford to ignore the blessings of protection and comfort to her home and unite with their neighbors in self pro-

"We must convince burselves and

our fellow-neighbors that if we make commodity organizations which hav looked to us so often in times of ad versity. There is the great need of transportation adjustment which has required intensive study and wise and careful handling. There is tax equalization of all types which will always need some strong organized may function properly. force if the farmer ever stands on the "Our national government, is de

same footing with others. "How can all these things come about? How can we go on and on and be ready to face what-so-even

comes? "At some of our conferences we "There is only one way. That's through organization. There is no substitute for membership. This means that every man and every have a right, in fact it is our duty in behalf of the cause of farming, in justice to all, to convince those neigh bors of ours that they are needed now, above all previous times, to help half a billion dollars. push ahead until we see daylight as all other classes see it. We must show them that they must assist in they have shared at the expense of a most loyal few. "But again in many states and par-

"Let's do it now. Let's not be ticularly in Michigan, the Farm about the organization which we don't understand, let's go to those in charge and ask for an explanation. Then if we are asked a question which we cannot give a straight forsume the responsibility. It has been

way until everyone of us can tell the tee was appointed to study this pro- address. Farm Bureau story. "When we get enough people talk- made

no trouble about doubling our membership each year until all farm families who should be enrolled as memown work and program and up-build bers are counted as boosters rather ing while its funds were being used

Show Proper Rotation

And Crop Tillage

Howard City, Mich., July 12-Au

to continue Extension service which ed means another cog to the great organization committee as an importhey themselves shared. The Farm wheel of organized agriculture." Bureau should always have had the

sympathy and co-operation of all forces within those counties and now has a right to expect friendly assishas a right to expect friendly assisance when it seems so necessary t

was taken on by the organization unal it was found necessary as a Tune In A. F. B. F. means of protection to the farmer. who had had, up to that time, no al-The American Farm Bureau ternative but to submit to the unfair Federation suggests that we practices of the trade. Thru the tune in either WJR, WTMJ, wonderful work done by the seed de-KDKA, WLW, KYW, or WJZ

partment in securing pure, adapted seed the benefits cannot be measured in dollars and cents to the state in general. The same can be said of the struggle for the right grade of fer-

Bureau programs will be part tilizers at the right price and the of the daily agricultural hour same with dairy and poultry feeds. of broadcast over some 35 or "No one but those who have lived 40 stations on a national broadthrough these trying experiences casting hook-up. realize the many unjust practices Programs begin at 12:30 and that have been corrected thru this run until 1:15 at noon, Central type of service rendered by the Farm Standard time. Bureau. No other agency has to its credit, the untiring efforts and the great accomplishments along these **BUREAUS' BUYING** lines which have taken the farme out of the mercy of the unscrupulou tradesmen. But this service is just

TOTALS MILLIONS one division of the great work of the **CONFERENCE SHOWS** Farm Bureau. Then there are the legislative activities which are too numerous to mention. There's the correct publicity that is so necessary in all affairs concerning the farmer Of New Committee to yet so impossible to get through oth Study Purchasing er channels. There's the co-operation tion and encouragement of the many MEET AGAIN IN FALL

> Co-operative Buying Seen As Ranking High In Several States

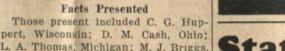
fourteen states assembled at national A. F. B. F. headquarters in Chicago, Monday, July 15, for a conference on this activity of the state federations. Through the departments represented a business of approximately a quarter of a billion dollars is done woman of us must do our part. We annually for the farmers of the states. concerned, it was estimated. For the entire organization in the forty Farm Bureau states the buying and selling business easily runs to not less than

The conference was called by Executive Secretary M. S. Winder, on acres of wooded land, 20 acres of pas authority of the Board of Directors keeping those benefits possible which of the A. F. B. F., with the idea of discovering mutual problems, co-ordinating the various activities and making them more effective for the found wanting. If there are things upbuilding of the Farm Bureau everywhere. The desirability of setting up a national organization of collective purchasing groups was also up to 160 acres. He has had both onsidered.

A temporary organization to this Understands tractors and general ward satisfying answer to, let's take end was set up, with President Porter. posal. L. A. Thomas, Michigan. was chairman with President

ing for the Farm Bureau we will have Brown, Missouri, and M. J. Briggs, Indiana, members, Another meeting will be held at Chicago on September 10. The pro-

gram will be arranged by the temthan lookers on. Every member add- porary officers, with the report of the tant feature



FARM BOARD MEETS TO DISCUSS GRAIN HARVEST Will soon be here. You will need more insurance. Our Blanket Policy covers all farm personal on the premises and Live Stock at paa-ture anywhere. THERE IS A REASON WHY WE ARE THE LARGEST FARMERS MUTUAL FIRE INSURANCE CO. IN MICHIG.C.N.

The entire membership of the federal farm board was scheduled to assemble for its first meeting in Chicago, Friday, July 26, for a conference with representatives of farmers' grain associations. The board invited President Sam Thompson, of the American Farm Bureau Federation, to attend.

supplies and \$850,000 in seeds, a total of \$3,702,000.

Mr. Briggs told of Indiana's \$3,500,-000 business. Add to that the live stock, wheat, insurance and other commodities bought and sold by the Indiana Farm Bureau, he said, and the year's aggregate for the Indiana Farm Bureau last year was \$52,000,-000. This gave that organization rank as the fourth largest business

oncern in Indiana. Mr. Metzger reported for Illincis a marked growth in the oil business Michigan Man Is Chairman of the Illinois Farm Supply Company In the ten months ending July 1, 833 carloads or 6.753,947 gallons of gasoline were distributed through this co operative for use in farm tractors, gasoline engines and automobiles on Illinois farms. Last year only 473 carloads of gasoline were handled in the same ten months, he stated. He also told of similar increases in other commodities.

In their operations the farm supply services make use of research experts, direct mail advertising, and

Representatives of the purchasing other necessary adjuncts of successdepartments of the Farm Bureaus of ful modern business concerns.

ture; rest under cultivation.

MR. HAYES ELLSWORTH, OF 612

North Walnut street, Lansing, Mich.

who has farmed in Michigan both a

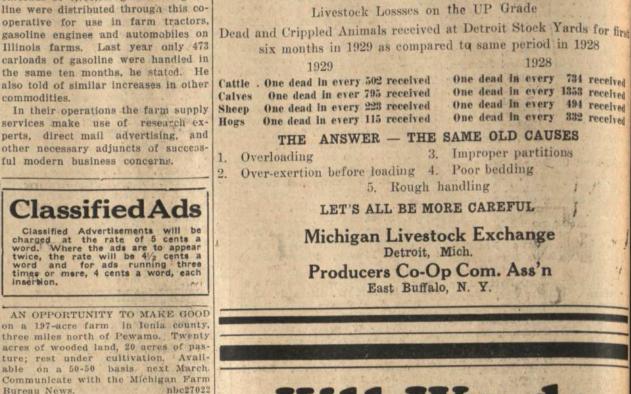
an owner and on shares, is looking for

work as manager of a general farm

dairy and general farm experience

farm machinery. Is a man of mature

Bureau News.

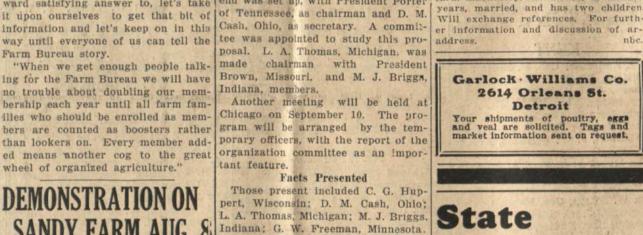


Kill Weeds With Atlaciide

Dust or spray. Atlacide, the chemical weed killer is safe to handle. Non-poisonous, nonexplosive and non-inflammable. One pound per application kills the quack or other weeds one square rod of ground. Two or three applications about 30 days apart usually required to clean up new growth.

Packed in 50 lb. and 100 lbs. air tight drums. Easily applied and a great labor saver. See your local Farm Bureau dealer for

further information and prices.



It Pays

To let the Farm Bureau Traffic Service Department check your freight bills; file overcharge claims; watch freight rates on your farm products and supplies and be your per-sonal representative to the railroads

Claims Collected Free for paid-up Farm Bureau Members

No Charge for Auditing

Farm Bureau **Traffic Department** Lansing, Mich.

SEED ALFALFA NOW

FOR LOW COST PROTEIN

Many farmers are summer seeding Farm Bureau

These planters of Farm Bureau Brand guaranteed

Michigan hardy, true to variety alfalfa are guaran-

teeing themselves a continuous and bountiful supply

of alfalfa hay-which means protein at a very low

The Choice of Seed

are the first and only choice of thousands of alfalfa

growers. They know Farm Bureau seeds are of

guaranteed adapted origin and therefore winter

hardy. They know Farm Bureau seeds are true to

See your co-operative ass'n or local distributor of

Farm Bureau seeds for your supply of Farm Bureau

MICHIGAN FARM BUREAU SEED SERVICE

Lansing, Michigan

variety, are of high purity and high germination.

Farm Bureau Brand Grimm and Utah alfalfa seeds

Alfalfa likes a clean, firm seed bed. Kill off the

Brand alfalfa. We are moving lots of seed and will

move lots more before August 15.

weeds and apply fertilizer now.

cost.

Brand Alfalfa.

get our farmers together in order to help adjust farming conditions from chaos into comfort and contentment. "This cannot be done in a minute. It will take time and the most earnest thought on the part of those in

charge but we must remember i takes only six months to grow squash while it takes a century to grow an oak and we want something gust 8 is the day for the Annual Field that will stand substantial for ages Day of the Pennsylvania Demonstration Farm two miles north of here. to come; something that our children and their children can look to as a On that date, the management will act as host to hundreds of Michigan means through which they may profarmers, interested in more profitable tect themselves and their business.

operation of their sandy soils, accord-"Again, we find those who only ing to an announcement made here think of our organization as an today by B. O. Hagerman, Agriculagency for fertilizer and feeds and tural Agent of the Pennsylvania Railseeds and these people are but parroad under whose auspices the farm tially right. To be sure, the Farm is run Bureau has served the farmers with

Never before have the crops more many commodities, none of which efinitely pointed out the practical

alue of the Keystone Rotation in maintaining fertility than at the tion, reported an annual business of present time. To the many thousand

Michigan farmers who have heard the last year. Mr. Thomas for Michigan, illustrated talk on the Keystone Ro- reported a business of \$2,852,000 in tation, the field day will be the 'proof of the pudding."

Rye and vetch growing on a field that was in second growth sweet clover last year is now between five and six feet high and looks good for 20 bushels or better of rye per acre.

This spring, for the first time in the history of the Keystone Rotation, a strand of vetch and rye planted in corn stubble in the fall, was so luxurious that it had to be plowed under rather than disked. The field is now sown to oats, with which sweet clover was seeded. Most of the field is dark olive green; a small part is light green. The light green oats are on ground that was in potatoes last year -no vetch plowed under-less nitro-

gen Among the many other interesting features to be seen on August 8 are: demonstrations of what a good purebred sire has done in raising the productivity of the herd; a potash variation test on alfalfa and comparisons of common. Ontario Variegated and Grimm alfalfa in standing winters incident to northern and western Michigan

An aeroplane has been promised which will drop souvenirs from the sky and take some pictures of the words, "Potash Pays" which was written on an alfalfa field last fall in letters 75 feet high and which are now very easily read on account of the increased height and thickness of the alfalfa plants.

August 8. Bring your picnic dinner Free coffee and lemonade.

Indiana; G. W. Freeman, Minnesota. SANDY FARM AUG. & E. B. Barkley, Missouri; George Metz-Farm ger, Illinois; C. E. Hearst, Iowa; A. Pennsylvania Railroad Will W. Tompkins, South Dakota: J. S Jones, Minnesota; R. W. Brown, Mis-Mr. Porter came with authority to Life represent Alabama, Mississippi, Texas and Louisiana as well as his own state.

Some amazing facts and figures were presented showing the magnitude of the buying services available to farmers through the Farm Bureau purchasing departments. This activity, it was made clear, is confined to farm supplies, such as fertilizer, feed, seed, coal, oil, twine, paint and other bulk commodities required in farm operations. Few, if any, Farm Bureau organizations deal in grocer-

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IMESTONE

Sold by

ies or other household supplies.

Get MORE LIME for LESS MONEY

WHEN you buy Solvay Pulverized Limestone you get two-thirds more actual lime for your money than you get in burnt or hydrated lime.

Your farm needs this lime to sweeten sour soil and replace the lime removed by rain and harvests.

Solvay Pulverized Limestone supplies the necessary lime and gets results the very first year because it is ground exceptionally fine. High test. Furnace-dried. In bags or bulk. Order yours today.

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Write for your copy of the latest Solvay Limestone booklet. It's free. SOLVAY SALES CORPORATION DETROIT, MICHIGAN

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follows plow and harrow! Ridges rolled down, clods pulverized, air pockets eliminated, soil stirred and mellowed, firmed to just the right consistency, surface leveled and mulched. And how the crops surely respond with stronger germination, thriftier growth, quicker maturity and more bountiful harvest Culti-Packer pays big dividends, either before or after seeding. Makes an



excellent cultivator also to keep the surface mulched and weed free, Quick-detachable end wheels also allow splitting the rolls for cultivating row crops. Brings wonderful results when used for rolling down the frost heaved roots of winter wheat. The exclusive DUNHAM Equalizing Bracket, the dirt-proof, adjustable, self-oil-ing bearings, the improved Dunite Metal Wheels -put the famous Culti-Packer absolutely in a

Most advanced type of Rotary Hoe. Cultivates, hoes and weeds in one operation. Auto-matic depth regulation. Wheels do not bend or pick up stones. Stronger, better, more thorough.

For horse or tractor use. Made in full range of sizes Extension attachments for gang arrangement. Sold through Farm Bureau Service at the lowest prices ever offered. Send for full description and price list today.

DUNHAM Tillage Tools have an admirable reputation for quality of the highest sort. The famous DUNHAM Culti-Packer is said to be useful for a greater number of purposes than any other farm implement. We are prepared to offer you both the Culti-Packer and the Culti-Hoe at the very lowest prices. Write today for circular. See your nearest distributor of Farm Bureau Supplies.

Michigan Farm Bureau Supply Service Lansing, Michigan

class by itself.

