

MICHIGAN FARMER

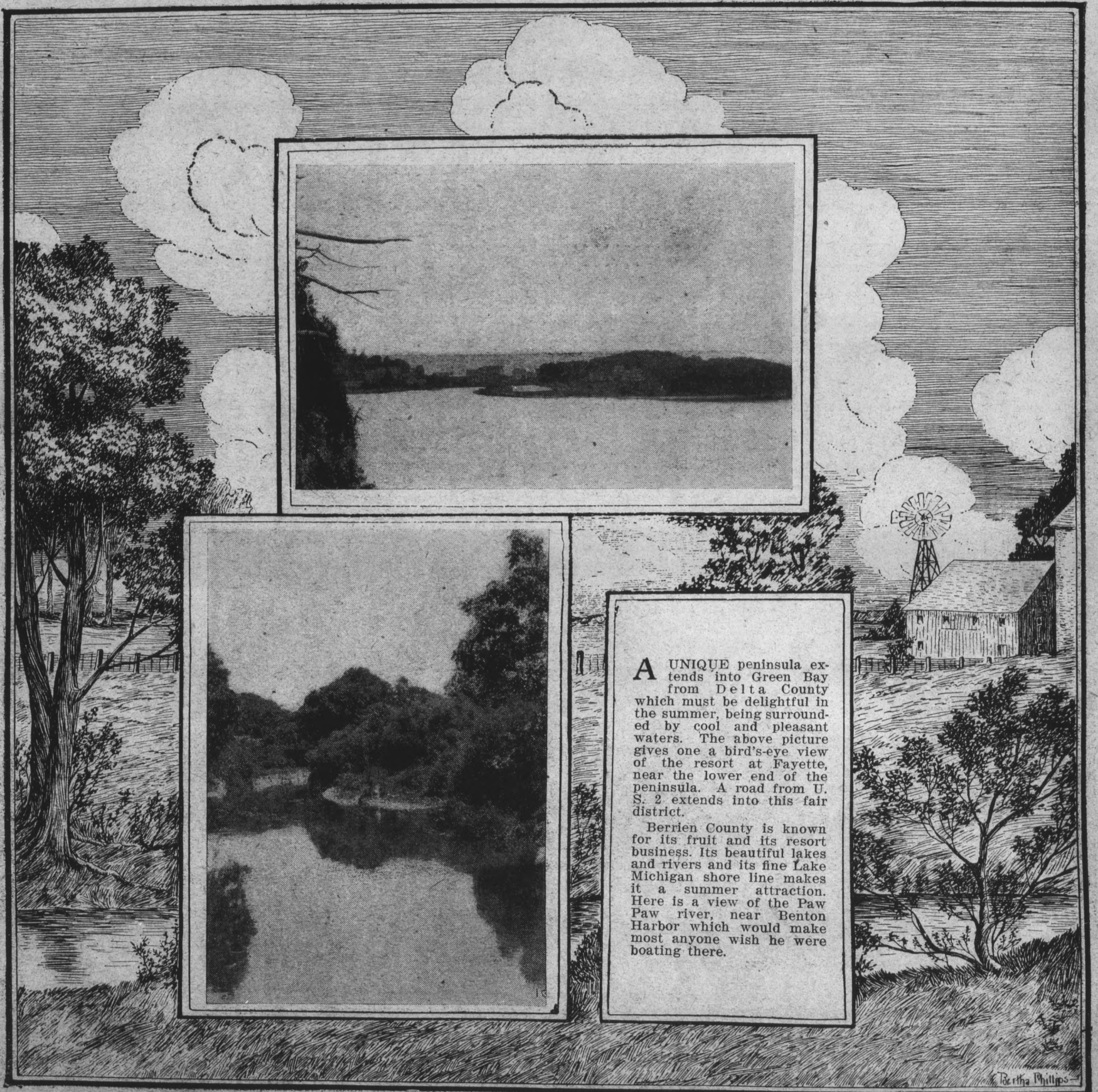
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Fire Losses on Michigan Farms Amazing

Here is a Tremendous Tax Which Michigan Farmers Can Largely Eliminate

By Burt Wermuth, Editor

FARM fires have become a menacing thing. In Michigan last year, the loss to farmers was not far from five millions of dollars. Think of it—an average of over twenty-five dollars for every farm in the state. And this loss goes on year after year in face of the fact that easily seventy-five per cent of the loss could be prevented.

Before us is a report of Hon. C. D. Livingston, commissioner of insurance and state fire marshal, giving the losses sustained last year by farmers belonging to the mutual fire insurance companies of the state. According to this report, the first ever issued in Michigan, the losses of mutual companies for the year ending with December, totaled \$2,561,746.51.

In addition, old line companies have paid such tremendous sums on farm fires that they are discontinuing their country business as rapidly as possible.

Many Without Insurance

Further, there are whole sections of the state where the fire hazards have become so great that no insurance can be had at all, even from mutual companies. For such districts, no record of the losses can be had, and we only guess that they were very large, for, with small losses, insurance would have been available.

A thing that saddens one is to know that of the above losses, more than half was from the burning of farm homes. There were 2,652 of these lost in these mutual companies last year. Several counties in the state have fewer farm homes than this, and, mind you, these are by no means all that burned in 1927.

The MICHIGAN FARMER feels that few things need doing worse on the farms of the state than the reduction of these tremendous fire losses. For this reason, we have set about the task and have devised, as a starter, the unique plan described on this page.

The great majority of these fires is not started intentionally. They are largely the result of carelessness, of indifference, or of not knowing what can be done to prevent them. So to overcome this sad situation, we have worked out the score card shown on this page. In announcing this unique plan we wish to acknowledge the able assistance of James Slocum, Secretary of the Pioneer Mutual Fire Insurance Company of Detroit, who has been a leader in reducing fire hazards on farms, and also the enthusiastic support of our State Fire Marshal, Mr. Livingston.

If every farmer and his family will sit down for an hour and carefully study this score card and the suggestions on scoring, and then apply it to his own premises, we believe that a very long step will have been taken in reducing the fire tax on Michigan farms.

These days, every person who carries insurance pays when a fire occurs in his company. When a fire results from the carelessness of a member, every other member in the company must go down in his pockets and share the loss. Every fire prevented on the premises of patrons of your company saves you money.

If we can spread the gospel of fire prevention throughout the farming districts of Michigan, then the farmers will be able to save themselves a very large proportion of this five

million dollar annual loss. It will also be possible for every farmer in the state who deserves fire insurance, to have it. We, therefore, dedicate the score card and the suggestions on scoring presented on this page to the farmers of the state of Michigan.

Suggestions on Scoring

The purpose of this score card and these suggestions is to aid the farmer in reducing the danger of losses from fire. While the outline covers the general field quite thoroughly, it is impossible to adopt the scheme to every situation. Therefore, the party scoring will need to use judgment as well as a little study in arriving at the final scores. In case any fire hazard referred to in these suggestions does not exist on the premises

to the allowance made for a wood roof.

Chimneys and Smoke Pipes—150 Points

Allow thirty points where chimneys are provided with a vitrified tile flue lining and extends above the highest ridge on the dwelling.

Allow thirty points when chimney is built from the ground up or on a basement wall with the foundation below the frost line to prevent settling and cracking.

If chimneys and smoke pipes are cleaned frequently, especially when soft coal is burned, give thirty points.

When stove or furnace smoke pipes are put up firmly and do not pass through partitions or floors or near woodwork, allow thirty points. If a good metal thimble or tile insulator is used through partitions or floors, or

cluding silos are equipped with lightning rod terminals or points, or have one within two feet of these high places, credit thirty points.

If all joints in the rods are in good order and proper connections are made with metal roofing, eaves troughs, metal ventilators, allow thirty points.

In case of small buildings, there should be two grounds and on large buildings three grounds. If these are provided and the grounds are firmly fastened to water pipes or sunk eight feet into the earth to permanently moist soil, allow forty points.

Liquid Fuels—75 Points

Where all gasoline and kerosene are kept away from the buildings in an outside place or underground and where automobiles, tractors, trucks, and the removable gas tank from the gasoline stove can be filled out-of-doors and state laws relative to the handling of these liquid fuels are complied with, allow sixty points.

Credit fifteen points where oil lamps and lanterns are kept well filled and the filling is done in daylight; or where battery or electric lights are used instead.

Cut twenty points where fires are started with kerosene or other inflammable oils.

Lighting Equipment—50 Points

If electric service has been installed for lighting and other purposes, according to the national or local electric code and properly inspected, give full fifty points credit.

Allow thirty points where kerosene lamps and lanterns are used and are in first class condition by being placed where they are not easily over-turned, by having the wicks fit tight and the burners frequently cleaned, and by being kept well filled with oil.

Allow thirty-five points where acetylene or gas pressure systems of lighting are used and maintained in first class condition. The generator should be outside and all pipes conducting the gas in perfect shape.

Power Equipment—40 Points

If automobiles, trucks, and tractors are housed on cement or dirt floors, in buildings separate from other farm structures, credit twenty-five points.

If gas engines are operated in main building, cut twenty-five points.

If surplus gasoline is kept in a room where a gas engine of any kind is operated, cut twenty-five points.

Allow fifteen points where exhaust from gas engine is carried outside away from all combustible material and in a pipe that has a metal collar where it passes through a wood partition.

Other Fire Using Equipment—40 Points

This division refers to incubators, brooders, feed cookers, tank heaters, smoke houses, etc.

Credit forty points if this equipment is in good order and is located a safe distance from other buildings or housed in fire-resistant buildings, or in rooms with fire-resistant floors and walls and where the rooms are clean and free from combustible materials.

Combustible Materials—70 Points

Farm buildings are exposed to danger from fire through the presence of rubbish, straw, hay, grass, stubble, (Continued to page 665)

FARM FIRE PREVENTION SCORE CARD

(Read Suggestions Before Scoring Premises)

	Points	Score
Construction of buildings	75	.....
Roofs	200	.....
Lightning rods	100	.....
Chimneys and smoke pipes	150	.....
Heating and cooking equipment	75	.....
Lighting equipment	50	.....
Power equipment	40	.....
Other fire using equipment	40	.....
Fuels	75	.....
Matches	50	.....
Combustible materials	70	.....
Fire fighting equipment	75	.....
TOTAL	1000	

being scored, then full credit should be given.

Construction of Buildings—75 Points

Allow twenty points where the house walls are constructed of brick, stone, cement, steel, or other non-combustible materials.

Allow ten points where the studing do not pass through floors, but rest on sills and carry plates to support the floor above. These sills and plates act as fire brakes in the wall.

Fifteen points are allowed where a stairway or trapdoor permits ready access to the attic of the dwelling.

Allow ten points where doors separate the stables from the mows in the barn.

If buildings are located a reasonable distance apart and the intervening space is kept free from rubbish to prevent fires spreading and to facilitate fire fighting, give twenty points.

Roofs—200 Points

The largest source of known fire causes on Michigan farms is from sparks falling upon combustible roofs; therefore, full two hundred points will be allowed where fire resisting roofs are used. Metal, slate, asbestos, and composition roofing conforms to this requirement.

If a shingle roof is in good condition, allow seventy-five points. If in poor condition, cut the full two hundred points. If the chimney is provided with an efficient wire netting spark arrestor, add seventy-five points

metal or asbestos protection is provided where pipes pass close to woodwork, then allow full thirty points.

If a good thimble is properly installed where the smoke pipe enters the chimney, add twenty points.

Where unused flue holes are securely closed with properly fitting metal stops, credit ten points.

Heating and Cooking Equipment—75 Points

Allow twenty points where all woodwork is fully protected from stoves, ranges, and furnaces through the use of metal or asbestos covering.

Where a metal floor protection extends well in front and to each side of all stoves (except in the case of gasoline or oil stoves with a metal protector provided in the stove) allow twenty-five points.

If ranges and stoves have an open space below furnished by the legs, credit fifteen points.

If heating stoves and furnaces are of ample size to heat the dwelling during the coldest weather without overheating, and the smoke pipes and drafts are of the correct size to permit this without increasing the fire hazard, allow fifteen points.

Cut fifteen points if ashes are not placed in a fireproof container.

Cut fifteen points if an effective fire screen is not provided for the fireplace to prevent sparks from flying into the room.

Lightning Rods—100 Points

If all chimneys, gables, cupolas, and all high places on buildings in-

DEVOTED
TO
MICHIGAN
VOLUME CLXX

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MICHIGAN SECTION THE CAPPER FARM PRESS

QUALITY
RELIABILITY
SERVICE
NUMBER XIX

Wins With Apples and Spuds

E. W. Lincoln Regains Health, While He Succeeds at Farming

WHEN the crops fail, the bills pile up, your bank turns you down, all your thinking just won't bring you anywhere, and then when the doctor solemnly advises you to go west, it is most discouraging.

Many people get like that. Not infrequently I feel just so myself—a sort of a down-and-out creeping paralysis comes over one, annihilating all the fine relations in life. The good things, the high ideals, the principles you have banked on in the past just seem to slip away.

Sometimes these spells are the product of fancy. Then again there are reasons galore for their being. But whatever the cause and however far down in spirit one has been pulled, there comes a light upon one's path, as he thinks of the story of E. W. Lincoln, a Michigan Master Farmer, of Greenville.

Mr. Lincoln had so many discouragements that I am ashamed to mention mine when in company with any person who knows this Greenville farmer. Just a multitude of things conspired to make going hard for him. And then the doctor seemingly laid the last straw by telling this man what the profession has told thousands of others, "You must go west." He followed the doctor's advice; but like a large percentage of others who have sacrificed for the westward journey, no benefit resulted. So human like he came back to Michigan to be with his friends.

But through all these vicissitudes his spirit was not fully subdued. And on his return he immediately considered the matter of a job. The most likely thing was the operation of a 100-acre farm a few miles north and east of Greenville. Here he located himself and soon he was taking a real interest in the farming business. His interest finally bloomed into a passion for the production of quality products. This passion in time conquered all those trying situations that confronts a normal man who, without capital, is trying to succeed at farming. Soon also he forgot the troubles of the flesh and a new hope radiated in his heart.

After studying and trying a number of different lines on his farm, Mr. Lincoln finally settled down to the

production of good potatoes and good apples. Quality products is the way to success, according to this apostle of better farming. In producing quality products, many things must be thoughtfully and carefully done at just the right time. For this reason all the activities on this farm are centered about these two crops.

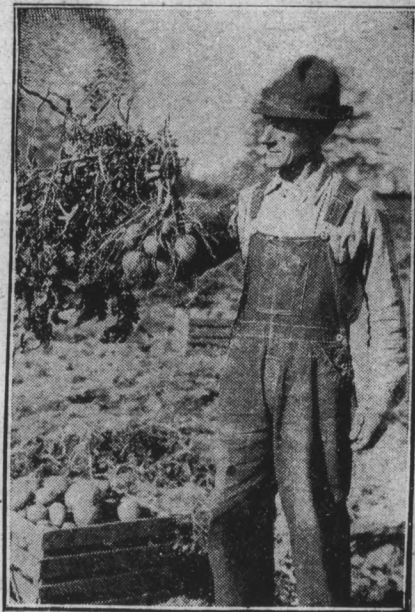
A good farmer never neglects his soils. Mr. Lincoln is no exception. On our last visit, he seemed to talk of little else than how the soil in this field and that one was made to produce large yields of uniform potatoes. He follows well-known methods in securing rich soil. His manure supply comes largely from the Chicago stockyards. This he applies abundantly in the summer to fields selected for potatoes the next year. The land is then sown to rye. The following spring this rye is plowed down and from 500 to 800 pounds of a complete fertilizer, usually 4-16-4 is applied. He also uses green crops for building up the soil humus. Alfalfa, June clover, and sweet clover are used for this purpose. Alfalfa however seems to be the crop upon which he is now depending most. After taking off a cutting of hay, the second growth is often cut and allowed to lay on the ground to decompose. Through this the new growth comes, produc-

ing additional vegetable matter to be plowed under that fall or the following spring.

After plowing, the land for potatoes is cultipacked, disced, and harrowed until the whole soil mass is uniform and free from air pockets or layers of manure or straw which prevent roots reaching down into the subsoil for moisture.

He grows Russet Rurals, Cobblers, and White Rurals. In planting, the seed is treated for scab, scurf, and other diseases. The tubers are cut and planting is done between May 15 and 18 for the early varieties and from June 5 to 15 for the late kinds. Cultivation is done with two horses. Usually five sprays of Bordeaux and arsenate of lead are applied. The crop is harvested with a horse digger, stored in pits, and sold in the spring for certified seed. For the past five years his yields have averaged around the 300 bushel mark.

Mr. Lincoln believes strongly in storing seed potatoes in pits. Every test shows increased vitality for seed housed in this manner as compared to that kept in a cellar. It is necessary, however, that the pits be carefully constructed to provide proper ventilation and also to prevent freezing. Seed from Mr. Lincoln's farm was used in growing the record yield of



The Sort of Potatoes Mr. Lincoln Likes to Raise

potatoes in Pennsylvania of over six hundred bushels per acre.

His twenty-five acre apple orchard consists largely of Spys, Jonathans, Greenings, and Baldwins. Clean culture is followed in part with a portion in sod. Rye and oats are used as cover crops. Where needed the trees are fertilized with ammonium sulphate. Thorough spraying and light pruning has kept the trees in excellent condition. The bulk of the apples are marketed locally, being drawn directly from the orchard to the storage (Continued on page 657)

Sweet Clover--the Universal Legume

By Keats K. Vining

County Agent, Kent County

ON the automobile market is a car about which someone has remarked that you can get anywhere in it but into society. Anyway, it will do about anything in the line of transportation a farmer wants. He can slick it up and take the family to church on Sunday. The next morning he needs a grist ground. The same can be loaded into the car and off to the mill it goes. Tuesday is shipping day and a calf is due for the market. Load it into the car and off

it goes to the yards. Some wood needs buzzing. Bolt a pulley on the hind wheel, jack it up and buzz your wood or hook onto the silo filler.

But it wasn't about autos that we started to write. It was about a member of the legume family which is about as versatile an actor about the farm as the aforesaid mentioned auto. It is no other than the once despised and now highly esteemed sweet clover.

What are some of these virtues it has? Well, listen to some of these.

Cut at the right time and properly cured it makes a good hay. One that will make bossy shell out the milk or put beef on the steer. However, it isn't an extra good horse feed. When cut high enough a good pasture should follow. If you want some more hay, cut the second growth. If not wanted for hay or pasture, a fair seed crop may be obtained. Or, better than either of the before mentioned things, let the second crop stay on the land and be plowed under as a green manure crop.

Today, sweet clover's greatest value seems to be as a pasture or green manure crop. It has been growing in favor with Kent County farmers. The summer of 1925 our attention was called to six farmers on the west side of the county who were using sweet clover for pasture. They averaged nearly two cows per acre. Five of these men belonged to cow testing

associations and their records bore out the facts that four of them without any grain were maintaining their milk flow. One of them, with a grain supplement, was getting as good production as he did in December when his cows were fresh. This was in a year when ordinary pastures dried up. The results secured by these men stimulated the further use of sweet clover as a pasture crop in our county. It is being grown in a three year rotation—corn, oats, and sweet clover. Under favorable conditions, pasture is obtained after the oats are off.

It seems to be as good a pasture for hogs and sheep as for cattle. Fred Schmalzreid of Emmet County sowed sweet clover in a field where legumes had failed twice. The sweet clover caught and did well. The summer was a dry one and the June grass pastures dried up early. What to do with a bunch of steers, sheep, and lambs was a question. The writer advised turning them into the sweet clover. They became used to it in a day or two and the results were marvelous. The steers and sheep picked up in flesh, the lambs were finished in good shape and sold well on the local market. His brother, Theodore, had a similar experience with sheep on sweet clover the following summer. John Humphrey, who lives near Casnovia in Muskegon County, had sixteen acres of sweet clover on which (Continued on page 646)



You Can Easily Imagine Why a Fellow Feels at Home When He Stops His Car at the Lincoln Farmstead

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VOLUME CLXX

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DETROIT, MAY 12, 1928

The
Fire
Hazard

IF farming is a gamble, fires make it doubly so. Rural sections have few means of protection, and with so many chances for fires to start on the farm, the fire hazard has become so great that old line companies refuse longer to take rural fire risks.

There have been educational campaigns aplenty to teach people due caution in the handling of fire in our cities, but nowhere has there been such a systematic campaign started for rural people as is announced in this issue. In the study of the rural fire situation, we realized that other methods of fire prevention work have not accomplished their purpose, so have formulated this definite fire prevention plan.

We feel sure that this new Michigan Farmer service will direct individual and public attention to those details which make for safety from fires in rural sections, and that it will offer to the farmer an incentive to correct or eliminate those conditions which are now likely sources of disastrous farm fires.

The
Passing
of "We"

THE newspapers report that Col. Charles Lindbergh recently flew the "Spirit of St. Louis" on its last flight to the Smithsonian Institute at Washington where it will be preserved to posterity as the most famous plane of its day.

This plane and its pilot have truly served a worthy purpose for aviation and friendship. Its memorable flight across the Atlantic and its trip to European countries gave the airplane a wonderful boost in public attention as well as made more friendly the relations between countries. Then its trip over our own country, and its visit to the Latin nations to the south has brought about a better understanding between men and nations.

Science and commerce were helped

by showing the dependability and safety of flying. Diplomacy has been advanced because this plane flew as the dove of peace. As such it has done much for the outlawing of war. The trend of human events, as demonstrated by this plane, will promote peace and good will for as peoples know each other better they will more readily cooperate.

While the plane has completed its accomplishments, the Minnesota farm boy, born in Michigan, who piloted her, will continue to make aviation history, flying in Europe with a Michigan plane.

Central-
ized Ed-
ucation

THERE is before the house committee on education the Reed-Curtis bill which proposes to bring the school systems of the country under federal control and supervision. It would consolidate the activities of the Bureau of Education, the Federal Vocational Education Board and other governmental offices under the secretary of education.

The proponents for the bill claim that we have invested five billion dollars and are spending two and one-half billions a year on education. They believe that as more than a quarter of the money for education is provided for by taxes, in order to have a unified nation, we must have federal control.

The National Grange is opposing this bill as it sees in further federal meddling with education an effort of politicians and educational officials to develop not only more lucrative jobs but a sort of nationalistic type of mind. It believes that such an act would make the schools the football of politics.

It is the belief of the Grange and others that there is now too much supervision and inspection which makes the "overhead" in our educational system unusually high. An effort to bureaucratize education would bring about more attention to the form of education than to its content. These opponents of the bill wish to keep the school the pride of its community, instead of an uninteresting part of a formal system of education.

As the proposers of the bill have a

powerful lobby, the National Grange may need the united support of the farmers to bring about its defeat.

Home
Work For
Women

IT is human to want to earn money for it is by filthy lucre that we obtain the comforts and conveniences of the home

and supply the wants of the family. We are always in sympathy with the individual searching for a practical plan whereby the contents of the family pocketbook may be swelled.

It is regrettable but nevertheless true that there is a number of companies and individuals who have planned special schemes in order to capitalize on the earnest endeavor of these people who are anxious to increase their regular income. The large number of letters received at this office indicates that farm women have become particularly interested in a number of schemes which offer home sewing, art work, and the like.

Investigations of a number of these rich-sounding, easy-money schemes prove that, in the majority of cases, where advertisers offer a course of instruction or an initial outfit, their aim is to sell the outfit or instruction rather than furnish employment.

When considering any home work scheme, it is advisable to investigate before investing even a small sum. Better yet, to analyze one's immediate resources for possible opportunities of making a few extra dollars from the home market.

The
Motor
Truck

THE motor truck has become quite a factor in our commerce, but even a greater influence in our farming. Few realize that three and one-third million hogs, or about eleven per cent of the total, were trucked to the fifteen principal markets in 1925. Six per cent of the sheep, twelve per cent of the calves, and four and one-half per cent of the cattle received at these markets also were hauled by truck.

The advantages of the truck in hauling live stock, especially for short distances, are a minimum of shrinkage, quick delivery, less cost for feed and watering stock, and the ability to

make small shipments at a time.

The truck, combined with the use of the radio, also gives one a chance to take advantage of favorable markets. Often a farmer can get market prices over the radio, load a truck, and have it at the market in the same time that it would take to deliver the products at the local railroad yards in the old way.

The motor truck has also revolutionized the dairying business. Between 1910 and 1924 it has taken over the hauling of the milk formerly handled by electric railways, wagons, and steam lines. Because of the quickness and convenience of hauling by the truck, the dairying areas have expanded, and extended greater distances from their markets.

The motor truck has helped to decentralize farming and has thus enabled farmers some distance away from the markets to get as much benefit from those markets as if they had lived closer.

What will it be when the farmers fly to the markets with their produce?

Motherhood

WELL, this Sunday is what you call Mother's Day, when those who forget about their mothers is supposed to remember them and wear a white or red rose or something like that.

I think it is nice to have such a day, so a fellow kin remember that way back in the old days, or young days, I don't know which, he was spanked a few times in mother's endeavor to impress upon him what's right, and etc, and etc. I've had many of those etc's impressed upon me.

But I kin tell you, bein' a mother ain't no cinch especially to a boy like I was, but with the mother I had and the wife I got, I've turned out to be what you call a fairly civilized human bein'. I've kinda got so I kin stand hitched and pull in the tugs when I should. Break-in' ponies and etc. ain't nothin' to what a mother is got to break—and lots of times its her heart that's broke instead.

You know I think life is just a process of findin' out you don't know nothin'. When you're young you know everything—you think you do—but when you get older you learn that you don't know much—at least some folkses do.

What would we be without mothers and schools. But a school ain't in it with a good mother. Of course, schools is kinda takin' the job away from mothers nowadays, learnin' them to cook, and etc., so mother kin attend ladies' aid societies or play this what you call bridge, and etc. It's gettin' that way even out in the country. I'm hopin' it is, 'cause then Sofie will be away some times and I kin have a little more of this freedom we fought for.

You know, there's something about motherhood that's nice and good—there's something holy-like about it, maybe 'cause it's got to do with the start of life.

I don't know whether you kin call it motherhood anymore, 'cause the mothers don't wear no hoods. It's different, somehow. Now they go to hospitals and don't see their babies fer quite a while after they're here. It just kinda seems even bein' a mother is changin' in this great changin' world of ours. But mothers is mothers and will always be mothers. Say, and don't forget what your mother did fer you as well as to you, and let her know she's O. K., if she's here to let know. Remember her anyhow and try again to be the one she wanted you to be.

HY SYCKLE

Michigan Farmer Plans Marketing Tour
Make Reservations Now

WE have just completed arrangements with the New York Central Lines for a special trip from Detroit to Buffalo and New York City during the week beginning June 24 for the purpose of giving some of our readers an opportunity to study market conditions in those two cities, besides opportunity for a little sight seeing.

The train leaves Detroit at 11:35 P. M. June 24, arrives at Buffalo to watch marketing at the stockyards the following morning and later to visit Niagara Falls. That night, the party will sleep on the train which the following day arrives at Poughkeepsie, where entertainment will be provided at the J. C. Penny Farms. The party then arrives at New York at 5 P. M.

From Tuesday evening until Thursday afternoon, the visitors will have little time for sleep since a carefully laid out program including many special privileges, has been arranged. A competent guide has been engaged to carry out this program. Further details will be given next week. The party will return to Detroit Friday morning, thus requiring four days and five nights from Detroit for the tour.

A special rate has been secured for this trip. It includes all transportation charges with berths both ways, bus charges, and hotel room while in New York City. With a lower berth, this rate will be \$75 and with an upper berth, \$72.50. The only additional expense necessary will be meals which should not cost more than \$10.00 extra.

This party will have to be limited to twenty-five men. Therefore, the first twenty-five applications each enclosing a check for \$10.00 to be applied on the fare will be accepted for this trip. We will hold four additional names in reserve in case some of the first applicants later find it impossible to go. Those, therefore, desiring to take this trip should make their applications promptly to the Editor, Michigan Farmer, 1632 Lafayette Blvd., Detroit. Checks sent by those who cannot be accommodated will be promptly returned.



HOME-MADE POWER HAY HOIST

Can you give us directions for building a home-made power hay hoist out of automobile junk or similar material about the farm?—M. L. H.

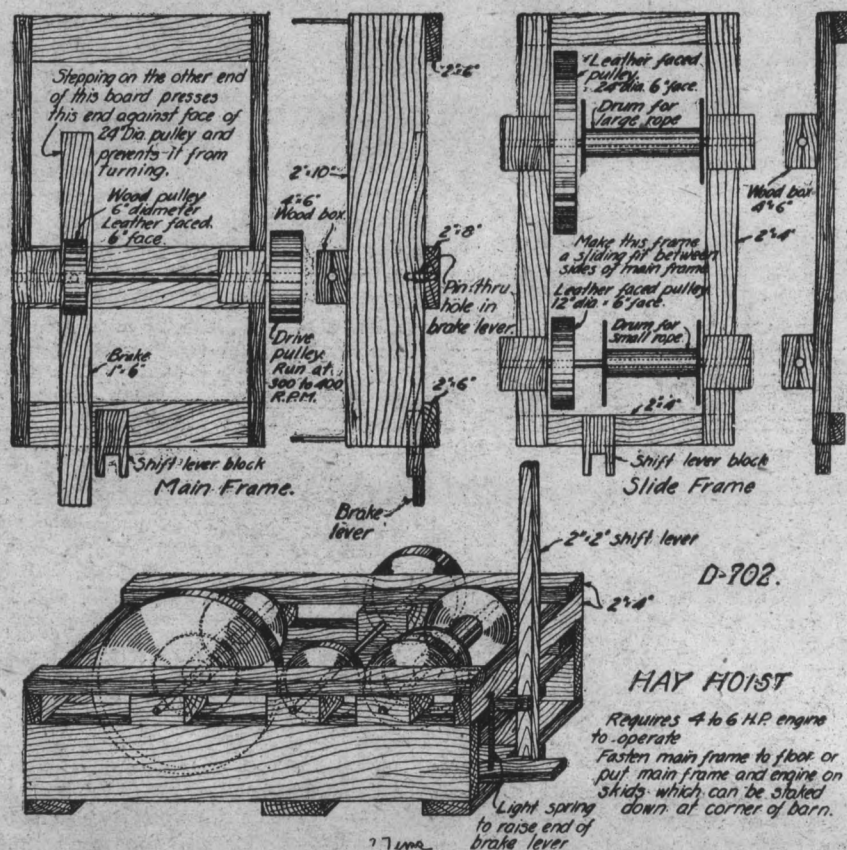
The accompanying diagram shows a home-made hay hoist sent in by one of our readers, which is easily built and which he has found very satisfactory. As shown it was built to fasten on the barn door and was operated by a four H. P. gasoline engine which also was used for operating a small feed grinder. If preferred, the main frame could be bolted to rigid skids on the other end of which the car or tractor could be mounted, and this could then be staked down at the corner of the barn or out beyond which the wagon is driven. Pull ropes could then be attached to the

further damage. The carbon bisulphide, however, must be kept away from all flames as it is very inflammable and very poisonous to breathe.

There is a method of drying the beans by the use of hot, dry air. It has been utilized by at least one elevator in the state of Michigan during a recent bad year.—H. R. P.

TROUBLE WITH STARTING MOTOR LOCKING

Would like to know what causes my automobile starter to stick. It flies in all right, then sticks so I cannot crank it with the hand crank, but have to get out and set the car in gear and rock the car back and forth until it loosens up. I also know another car that acts much the same way, occasionally with the battery fully charged. What is the cause of



shift lever so that pulling on one rope would raise the load, while pulling on the other would operate the small drum to pull the fork back. The diagram is so plain that little or no explanation will be required.

If one is content to pull the carriage back by hand and a pull-back drum is not necessary, a much simpler arrangement could be worked out from an automobile engine and chassis, by fastening the engine and chassis to heavy skids, and fastening the pull up drum to the drive shaft beyond the universal joint, putting a substantial wooden or other bearing at each side of this drum. Then by staking down the chassis crosswise of the pull and operating the engine clutch by means of a pull rope and using the transmission either in first or second, a very serviceable hoist could be made at practically no cost.—Dickerson.

STEAM TREATMENT OF BEANS

How are beans treated by steam to reduce moisture and prevent worms?—W. W. S.

I know of no method by which beans are treated by steam to reduce moisture and prevent worms.

Frequently the bean weevil attacks the bean and causes small holes to become noticeable in the cotyledon of the bean. By placing a container with some carbon bisulphide in an air-tight bin with the beans, the carbon bisulphide will kill the weevil and prevent

this trouble and how can it be remedied? Is a new flywheel necessary? Any suggestions will be appreciated.—C. W. H.

Probably the most common causes of starting motors locking in this way is broken or damaged teeth either in the starting motor pinion or in the engine flywheel. Where the flywheel rim and starter pinion are exposed, it is a simple matter to examine them to see if this is the cause; where not exposed, it is usually possible to examine the flywheel rim by removing the clutch plate cover. If the pinion is bad, a new one is the best remedy. If the flywheel teeth are broken a new flywheel can be installed, or the old flywheel can be put in a lathe and the teeth turned off and a steel band with teeth on the outer surface can be shrunk on the flywheel.

Another common cause is too much grease and dirt or frozen mud or water on either the flywheel cogs, the starter pinion, or the starting motor shaft. This will usually be stopped by cleaning of these parts thoroughly and keeping them clean with kerosene and light cylinder oil.

Other causes are worn pinion, bent starting motor shaft, starting shaft out of proper alignment, weak battery, poor starting motor brushes or commutator, and so on. In any case, the proper thing is to get a competent mechanic to look it over carefully and see just what the trouble is. Knowing the cause, you can then tell what can be done to remedy the trouble.

It Costs Very Little to Recondition a Model T Ford

THE cost of reconditioning the Model T Ford is small because of the low cost of Ford parts and the established Ford policy of charging all labor at a standard flat rate.

The economical thing for you to do with your Model T Ford is to take it to the nearest Ford dealer and have him estimate on the cost of putting it in A1 shape. You may find that the expenditure of a few dollars will be the means of giving you thousands of miles of additional service.

For a labor charge of \$20 to \$25 you can have your motor and transmission completely overhauled. This price includes new bearings, reboring cylinders and any other work necessary. Parts are extra.

Noises in the Model T Ford can be taken out easily and cheaply. The labor cost of tightening doors is only \$1.25. Usually very few new parts are required.

There is no reason for driving a shabby Ford. Repainting runs from \$10 to \$25. Taking dents out of body panels and doors runs from \$3 to \$16 for labor. A fender can be replaced for a labor charge of \$1 to \$2.50. The cost of fenders runs from \$3.50 to \$5.

It will pay you, therefore, to see your Ford dealer and have him put your Model T in good running order. By doing so you will protect and maintain the investment you have in your car and get months and years of pleasant, reliable transportation at a very low cost per mile.



FORD MOTOR COMPANY
Detroit, Mich.

The Result of Fair Dealings

10,200 Policies Written and Renewed in March and April

Fair dealing has increased the business year after year since 1915. The grand old company has taken the lead and given service and satisfaction to its members. The size and strength of the company can be estimated by the fact that it has paid out more than \$5,000,000 for automobile insurance claims since 1915, leaving assets of over \$929,000 on December 31, 1927.

Members of the Supreme Court, Circuit Court, lawyers, bankers and business men in every part of Michigan are insured in this company. You are invited to enjoy Citizens' Mutual protection. We can furnish all kinds of automobile insurance at COST plus SAFETY.

See Local Agent or write to

Wm. E. Robb

Secretary of

Citizens' Mutual Automobile Insurance Company
Howell, Michigan

NEWTON'S Compound
Heaves, Coughs, Conditioner, Worms. Most for cost. Two cans satisfactory for Heaves or money back \$1.25 per can. Dealers or by mail. The Newton Remedy Co. Toledo, Ohio.

KINKADE GARDEN TRACTOR and Power Lawnmower
A Practical, Proven Power Cultivator for Gardeners, Suburbanites, Truckers, Florists, Nurserymen, Fruit Growers. American Farm Machine Co. 1603-33rd Av. S.E., Minneapolis, Minn.

CORN CRIBS ROSS METAL GRAIN BINS
(COPPER-CONTENT--GALVANIZED)
ROSS METAL CORN CRIB for ideal curing and economical handling of crop. Large and rapid circulation of air; strong convenient port-holes in sides and roof; rigid construction. Easily erected. Special inducements for orders now. Write today. ROSS CUTTER & SILO CO. 13 Warder St. Springfield, Ohio

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GOMBAULT'S CAUSTIC BALSAM
The safe, reliable liniment, counter-irritant or blister for VETERINARY and HUMAN treatment. Used and well known for over 50 years. ACCEPT NO SUBSTITUTE.
SCHNABEL MEDICINE CORP., Sole Distributors
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SEED CORN

Clement's White Cap Yellow Dent, Picketts Yellow Dent and Michigan Yellow Dent (a very early dent). Certified Worthy Oats, and Sweet Clover Seed. Why take a chance on common seed when our scientific method of drying and preparing our corn insures germination and vigor? Write for Circular and Sample.

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Member of the Crop Improvement Association

Try a Michigan Farmer Liner

Eureka SPRAYERS
Traction or Power
Do the biggest, most important job in raising field crops and fruit. Increase yield 50 to 200 per cent. Improve quality. Insure investment by destroying bugs, preventing mold and blight.
Traction Sprayer has 1, 2 or 3 nozzles per row; 4, 6 or more rows per boom. Wheels adjustable to width of rows. 60 to 100 gal. tanks. Double or triple action pumps. Thousands of satisfied users.
Combination and Power Sprayers for orchards, groves, and field crops, have 3 cylinder pump; pressure regulator; 2 H.P. Engine; 100 gal. tank. Develops 300 lbs. pressure with one spray gun or several spray rods. With or without truck.
In stock near you. Write for Catalog on Eureka Sprayers
Eureka Mower Co., Box 1408, Utica, N. Y.

Sinclair's Acquittal

WHEN Fall and Doheny were white-washed by a Washington jury a year ago, the country was surprised. When a few days ago another Washington jury handed Sinclair a halo for his part in the Teapot Dome transaction, the country was astonished. For in the meantime decisions from the highest courts in the land had left the public in no "reasonable doubt" of the guilt of these men. The verdict amounted to a mockery of justice.

Sinclair is still to face the charge of jury tampering in this very case, which caused the dismissal of the first jury drawn.

However, I do not impugn the honesty of the trial jury. Theirs may have been a Scotch verdict—"guilty but not proven."

It was not so much the fault of the jury but the evidence that was withheld and was not presented to the jury, which made a just verdict impossible. Smart lawyers making use of legal technicalities, and faulty court machinery, were responsible for it. Many pertinent facts never got to the jury.

Our legal system has gone so far to protect the innocent that the checks it has interposed often make effective shelters for the guilty.

Chief Justice Taft himself has said that the administration of the criminal law in the United States is "a disgrace to civilization."

The moral seems to be that if you have a poor case you should obtain a smart lawyer and a jury.

* * *

By unanimous decision the Supreme Court of the United States declared the Fall-Doheny lease of naval oil lands in California was "consummated by conspiracy, corruption, and fraud."

This was the "black satchel" case.

In the Fall-Sinclair case, the Supreme Court canceled Fall's lease of Teapot Dome on the ground of fraud, branded Fall a "faithless public officer" and declared the lease to Sinclair was made "by means of collusion and conspiracy."

A blistering decision by the United States Court of Appeals—also unanimous—declared "a trail of deceit, falsehood, subterfuge, bad faith, and corruption runs through the transactions."

Important witnesses in the Teapot Dome case fled the country and still are in exile. Others have shown such reluctance to testify that they have been arrested for contempt.

Then Fall himself refused to answer the questions of the Senate committee on the ground he might be incriminated.

Few, if any, of these facts could be communicated officially to the jury.

* * *

Both the Sinclair and Doheny leases were canceled, and this property was restored to the people. Neither Doheny nor Sinclair was able to hold the naval oil lands, clandestinely and unlawfully signed over to them by Fall, although Doheny valued his lease at 100 million dollars, as he testified before the Senate committee.

The alleged purchase of two-thirds of Fall's ranch, and the payment of Fall's debts, is now known to have been due solely to Sinclair and Doheny, the two persons to whom Fall attempted to transfer these valuable oil properties of the Government. And it is of court record that the net value of this ranch, which is alleged to have cost Doheny \$100,000 and Sinclair \$233,500, was exactly \$3,300, after allowing for debts, unpaid taxes, etc.

These sums, or parts of them, had formerly been testified to as "loans." And Fall, to account for his sudden acquisition of so much ready cash, gave it out that he had obtained the

money in a loan from E. B. McLean of Washington until it was disclosed that he had not.

Certainly none of the oil defendants has acted like an innocent man.

That two juries of presumptively fair intelligence, have declared the principals in these deals innocent, indicates that all the facts were not presented to them.

The country is warranted in being astounded at these verdicts and in its growing distrust of courts.

The final judgment of the country cannot but be in accordance with that of the Supreme Court, which is that these transactions were corrupt and dishonest.

Some more certain and efficient method must be found for trying guilty men than one which acquits them and defeats justice; than one which may strip them of their plunder yet cannot put them in jail.

WASHINGTON, D. C.

SWEET CLOVER—THE UNIVERSAL LEGUME

(Continued from page 643)

he run twenty-two brood sows and their pigs for several weeks. All they had besides the sweet clover was water. They prospered. The writer saw them the latter part of July and they were a fine bunch of hogs. Incidentally with the hogs there pastured part time twenty odd Jerseys. They were fed green alfalfa with the sweet clover.

As a soil improver, sweet clover scores high. Witness these incidents. Orville Churchill of Emmet County purchased a farm on which was a small piece of sweet clover. Churchill needed hay so he cut both crops. The sweet clover area was plowed along with the rest of the field for rye. The following July he called me to see the effect of the sweet clover on the rye. Where the clover was plowed down he had a good crop. It stood eight to ten inches higher than the other. Equal sized plots were threshed from both of the plots. Where the sweet clover grew, the rye yielded seventeen bushels to the acre. Where there was no sweet clover, the yield was eight and one-quarter bushels and there was 800 pounds of straw in favor of the clover.

G. S. Felt of Kent County has used sweet clover for pasturing his Holsteins and has fed the hay. One year he plowed down part of a sweet clover field that had one crop removed for hay, for oats. The balance of the oat field was corn stubble, top dressed with manure. The effect of the sweet clover was seen as soon as the oats came up. All through the season they were greener and further advanced than the rest of the field. Equal areas were cut and the oats on the sweet clover part of the field showed an increase of fifteen bushels per acre over the part of the field that was corn stubble covered with manure.

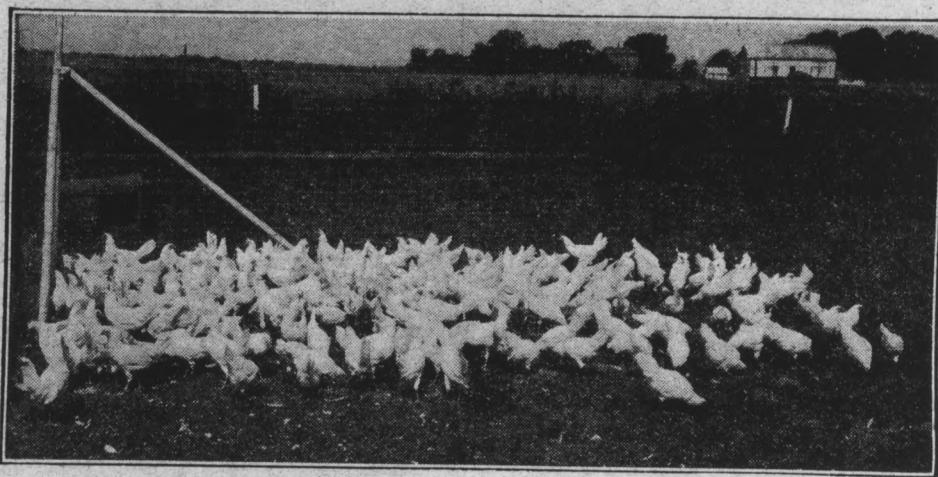
Sweet clover is a prolific seed producer and the latter a source of cash income. Care must be taken in cutting for seed that loss is not sustained by shattering. The first crop is used for seed. It is generally cut with a binder. Attachments can be put on the binder to save much of the seed. After threshing, the seed much be hulled.

Sweet clover wants a sweet soil, inoculation and a well packed seed bed. It will grow in damper ground than will alfalfa. Springy, wet land that is sweet will grow a pretty fair crop of sweet clover.

Again we say sweet clover is, "The Universal Legume."

1000 Week-old Chicks on a 13-Weeks' Test

Charge one pen with \$6.00 worth of Pan-a-ce-a
But—CREDIT them with \$57.95



1000 White Leghorn chicks, bought from a commercial hatchery when they were one day old, were divided and placed in 2 pens.

All of the chicks were given the same care. All received exactly the same kind of feed (a home-made dry mash) except that 500 of the chicks had 2 pounds of Dr. Hess Poultry Pan-a-ce-a mixed with every 100 pounds of their feed.

The test was begun when the chicks were one week old and continued for 13 weeks, until they were 14 weeks old.

At the end of 13 weeks, when the chicks were 14 weeks old, the proportion of cockerels and pullets in the Pan-a-ce-a pen and the non-Pan-a-ce-a pen was about the same. Neither had the advantage of a larger proportion of pullets.

Results of Test at End of 13 Weeks

29 more cockerels. 38 more healthy, hardy pullets in the Pan-a-ce-a pen.
The cockerels were sold at 30c per pound; the pullets were valued at \$1 each.

<i>Pan-a-ce-a pen</i>		<i>Non-Pan-a-ce-a pen</i>	
498½ lbs. of cockerels @ 30c - -	\$149.55	432 lbs. of cockerels @ 30c - -	\$129.60
234 pullets @ \$1 - - - - -	234.00	196 pullets @ \$1 - - - - -	196.00
Total value - - - - -	\$383.55	Total value - - - - -	\$325.60
Extra value of Pan-a-ce-a pens - - -		\$57.95	

This extra value of \$57.95 almost equaled the original cost of the 500 Pan-a-ce-a chicks

In this test, Pan-a-ce-a was the factor of safety that brought 67 extra cockerels and pullets safely through the developing period to the marketing and laying age.

No poultry raiser can escape the logic of this practical test. Here Pan-a-ce-a returned nearly ten times

its cost in more and better pullets and cockerels raised. It will do as much for you. If you are not now using it, you owe it to yourself to bring Pan-a-ce-a to your aid in developing your hatches this spring. The local Dr. Hess dealer will supply your needs.

PAN - A - CE - A

keeps chicks healthy, hungry and hardy

Remember—Pan-a-ce-a does not take the place of feed, and no feed or mash can take the place of Pan-a-ce-a. Feed no other minerals with Pan-a-ce-a because it contains Calcium Carbonate, Calcium

Phosphate and other minerals in sufficient quantities. Costs little to use Pan-a-ce-a.

One 2-lb. broiler will pay for all the Pan-a-ce-a 200 chicks will require for 60 days.

RESEARCH FARM, DR. HESS & CLARK, INCORPORATED, ASHLAND, OHIO



THERE are many good reasons for the longer-lasting qualities of "Kokomo Pioneer" Fence. First, the wire is made from copper-bearing RUST-RESISTING STEEL. Then LEAD-ANNEALED and heavily galvanized with 99 1/2 percent PURE ZINC. Zinc cannot rust! This affords double protection against rust.

Then the famous "Pioneer" knot, the KNOT THAT CAN'T SLIP, makes it impossible to enlarge the openings in the fence. THE STRONGER THE LOAD OR STRAIN, THE TIGHTER THE KNOT BECOMES. Strain breaks other fences—it only tightens "Pioneer!" The knot is protected by a heavy zinc coating, just the same as the rest of the fence. "Kokomo Pioneer" is galvanized by a process that makes the zinc coating a part of the steel, so there is no cracking or peeling as is the case in ordinary fencing.

The extra coil in the line wires provides perfectly for contraction and expansion, and when properly stretched, the LINE WIRES BECOME LIVE WIRES. When you stretch "Pioneer" properly, it STAYS STRETCHED.

All of these qualities answer the "why" of "Pioneer" long life. There are many other reasons why it will outlast any other fence put on the market.

KOKOMO STEEL & WIRE CO., Div. Continental Steel Corp., Dept. K Kokomo, Ind.

Gentlemen: Send me your free book on DIVERSIFICATION, that will show me the way to bigger farm profits. I understand this book contains valuable experience of successful farmers and will show me ways to increase my farm profits. Further, it is FREE and does not obligate me.

Name.....

R. F. D.

Postoffice.....State.....

PIONEER

FARM AND POULTRY FENCE

This FREE book is for You!



Try a Michigan Farmer Liner

MICHIGAN Concrete STAVE SILOS

The last word in a permanent silo. Write for free illustrated literature. Tells how we manufacture and erect for you under best known processes.

Special Terms if You Order Now!

MICHIGAN SILO CO., Kalamazoo, Michigan

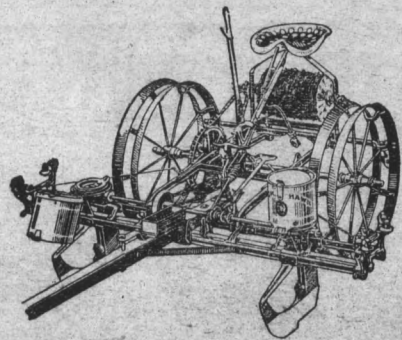
"FRIEND" TRACTION SPRAYERS

Write for catalog and learn about the many exclusive features of this fine sprayer.

"FRIEND" MANUFACTURING CO.

142 East Ave., Gasport, N. Y.

BLACK HAWK PLANTER



Grows Corn for Less

The Black Hawk has always been a good planter—long famous for its superior accuracy—variable drop and accurate check rowing.

Now these features have been improved and refined until the Black Hawk aids you as never before to grow corn at less cost. It plants the right number of kernels in each hill and, of even greater importance, plants them every time, insuring a perfect stand. Missing hills cut down the yield but not the cost of fertilizer, preparation and cultivation.

Use a Black Hawk to get a full stand and secure a large yield with the same amount of work.

The Ohio Cultivator Co.

Bellevue, Ohio



PULVERIZER



CULTIVATOR



MOWER

News and Views

From INGLESIDE FARM—By Stanley Powell

AS I drove to church last Sunday morning I observed with the keenest regret and apprehension that several farmers along that six mile drive were brazenly busy with their farm tasks, ignoring utterly that Sunday, according to all the sacred traditions of Christian America, is supposed to be quite different from the other six days of the week. Now I knew that these farmers weren't Seventh Day Adventists. If they had observed Saturday as their Sabbath, certainly I would not have been concerned if they spent Sunday busily employed with farm tasks.

Other groups and classes that have achieved marked improvement in their condition during recent years have not done so by working longer hours or more days a week. On the contrary, the reverse seems to have been the rule. Those classes that have made the most notable progress now have shorter hours and more holidays than ever before.

Chaining ourselves to a perpetual treadmill existence of mere production will aggravate, rather than solve, the problems of agriculture and rural life.

But when I said that the sight of my neighbors working in the fields on Sunday filled me with regret and apprehension, I was not thinking so much about this rather selfish view of the situation. I was more concerned regarding its moral and spiritual consequences.

Tennyson proclaimed a profound and eternal truth when he wrote, "On God and Godlike men we build." If the American farm-home forgets God and violates His commandments, it cannot be expected to maintain its proud position as the fountain-head of our Nation's citizenship. History reveals that any nation that has allowed the standards of its farm home to deteriorate, has inevitably degenerated and taken the toboggan route downward toward decay and disintegration.

We cannot crowd the Creator out of His universe merely by ignoring Him. Although "the rain falls on the just and on the unjust" and grain planted on Sunday will probably thrive as well as that drilled on Monday, the farmer who fails to recognize and thrill at his dependence upon his Divine co-partner is destined to live a mean, narrow, and unsatisfying life.

Personally, I wish to testify that when I miss church and Sunday school, my week seems sub-normal and below par. During the busy week days my attention becomes engrossed in a multitude of petty problems and distracting worries. Were I to brood on these disconcerting things day in and day out, my life wouldn't be worth two cents to myself or anyone else. As I join in the services of the church and Sunday school, my thoughts rise above the smoke and dust of these trivial and transitory details and the elements of life once more assume a more worthwhile and wholesome perspective.

Do the Frills Pay?

We are more than ordinarily pleased with the way in which we put in a field of barley seeded to alfalfa. In fitting this field we used a double disc, a spring tooth harrow and a special spring tooth harrow with knife-like wings or blades attached to each tooth. For want of a better name we call this latter tool our "thistle drag." It is equally well adapted to eradicating other noxious weeds, but we are most troubled with Canada thistles and it was to throttle these prickly pests that late last summer we secured this new type implement.

Of course, there were no young thistles to be sliced off when we fitted the barley ground, but we used this tool the last time over the field before drilling because it leaves the ground in such a splendidly mellow condition.

In addition to careful seed bed preparation, here are some of the other factors which will cause us to look toward this field with hopeful expectancy:

We applied two tons of lime per acre, secured certified barley from one of Michigan's best growers of pure-bred seed grains and treated the barley with formaldehyde solution following directions carefully. As we hope to obtain an alfalfa seeding that will make a permanent pasture, we sowed genuine Grimm alfalfa seed, guaranteed as to origin, purity, and percentage of germination. This seed was inoculated with the proper kind of legume culture so that it will develop nodules and thus be able to utilize the atmospheric nitrogen. Just ahead of the drill we went over the field with a wagon and removed the stones.

We trust that before you read this we shall have given this field another treatment—this time with the cultipacker, which will be helpful to pulverize every lump and unlock the imprisoned plant food of every clod so that it will be readily available to the tiny barley and alfalfa rootlets.

I wish that my faith might be increased that all of these extra frills would pay encouraging dividends. But the Master Farmers do all these things and thrive, so they must be profitable in practice, as well as proper in theory.

Radio Department

AGRICULTURE TO RECEIVE MORE ATTENTION VIA RADIO

EXPANSION in every phase of its activities with particular attention to agricultural and educational programs is the recommendation of the National Broadcasting Company for the coming year.

Proposed plans for agricultural broadcasts include daily noontime programs originating in the Chicago studios. Broadcasts to the middle-west farm area of important agricultural events will be given special attention. Daily programs will cover the weather, market conditions, scientific discoveries directly effecting agriculture and discussions of national laws and proposed national legislation of particular interest to the farmer.

NEWS FROM THE AIR

Tune in Tuesday at seven o'clock on WEAH if you would know more about the "Campaign Issues of 1928."

A handful of "audience mail" picked at random from the vast pile that accumulates each day in a large broadcasting company gives a fair cross-section fans' interests.

A man writes in to suggest that poker games be broadcast instead of the popular bridge hands.

A Philadelphia man writes to say that his dog barked back at a "dog bark" heard in a broadcast program. Information on how to give a formal tea is requested by a woman.

"Can't you squeeze in 'Mother's Apron Strings'?" one fan requests.

Broadcast talks on bird life and imitations of birds are requested by a member of the Audubon Society.

TACKLING THE TORNADO

BUILDING or remodeling houses to resist tornadoes is a bit new, but is not the difficult task it seems. The change is effected by putting windows in the dormers and gables that will automatically swing outward when the tornado relieves the air pressure on the outside of the house. It is also recommended that some of the walls of the dwelling be also vented by placing panels between the windows and the basement wall so they will swing out under a sudden drop in the outside pressure.

BOYS AND GIRLS START FORESTRY WORK

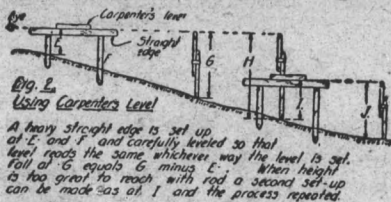
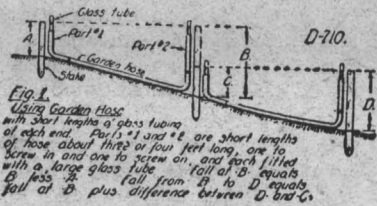
REFORESTATION is being taken up on twenty-five Kent farms this spring by that many 4-H Club members. A group of Grand Rapids business men have financed the purchase of 25,000 white pine and Norway spruce seedlings. Five hundred each of both kinds of these trees were given to each club member, the trees to be planted on the club member's home farm. A demonstration of planting was given by R. F. Kroodsmas, extension forester from M. S. C.

In connection with the project a 4-H Forestry Club was organized. Emil Kober is forester. Victor Weller, assistant forester. Tallyman is George Felt, and scaler is Norman Holben. County Agent K. K. Vining is the walking boss. Milo Schuitema of Grand Rapids was responsible for raising the money to buy the trees. —Y.

EATON FARMERS BEGIN REAL SOIL WORK

FARMERS of Eaton County are certainly awakening to the necessity of studying their soil fertility problems as evidenced by the exceptional interest manifested among approximately four hundred farmers who have just completed a four months' study under the leadership training method.

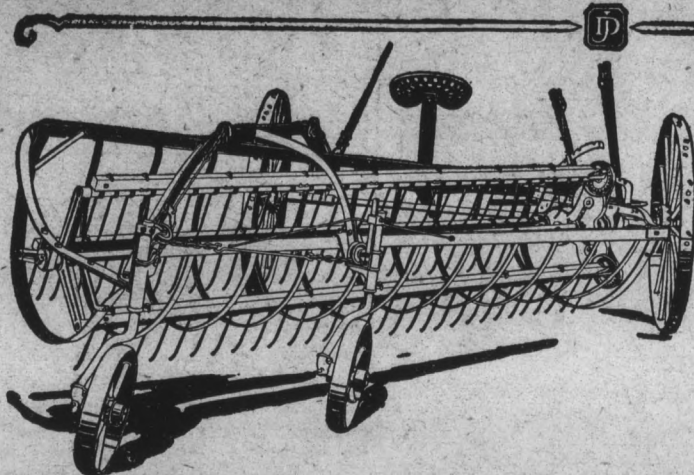
This body of men have been studying the program of maintaining their soil fertility and in addition have been putting into practical application methods necessary to improve their



HOME MADE LEVELLING EQUIPMENT

How to Use Home Equipment to Run a Level Line Over Uneven Ground

practices. It was found upon investigation that at least seventy-five per cent of the farms in Eaton County need an application of limestone to correct the acidity of the soil, but that the limiting factor in the past had been the difficulty experienced in securing this material unless the farmers group together and ordered in carloads. Therefore, this group interested in this problem secured the cooperation of the limestone companies and local distributors in the county and arrangements have been made whereby a supply of ground limestone will be carried in stock in bulk in five of the distributing points within the county whereby a farmer may secure the material from the bin in any quantity, as he wishes to apply the same.



You'll Make Better Hay With Less Labor

THOUSANDS of farmers who use the John Deere Way of Air-Curing Hay, get a higher price for the hay they sell, bigger returns from the hay they feed and save on the cost of haymaking. They save all the leaves — 65 per cent of the feeding value — and retain the fresh, green color of their hay, with the John Deere Side Delivery Rake.

The John Deere Way is the quickest and most economical method of curing hay. You need but one tool—the John Deere Side Delivery Rake. Its exclusive features—curved teeth and inclined frame—are responsible for its advantages over other types of rakes. Make better hay the John Deere Way this season. Put this John Deere Rake into your hay fields.

—And Load Your Hay With a John Deere

Save the back-breaking job of pitching hay. Use the John Deere Double-Cylinder Loader. It elevates the hay onto your load without injury to the foliage or shelling the leaves.

The floated gathering cylinder gathers all the hay and leaves the trash.

The John Deere is durably built and is light draft. It can be used in swath or windrow loading.

See these John Deere Hay Tools at your John Deere dealer's store. Write to us for folder telling more about the John Deere Way of Air-Curing Hay. Address, John Deere, Moline, Illinois, and ask for booklet AD-322



John Deere Way Saves the Foliage

The hay is raked as soon as cut. The curved teeth, working against the tops, turn the foliage to the center of light, fluffy windrows.

Stems are turned to the outside and protect foliage parts from sun's rays.

The foliage parts, containing 65 per cent of the feeding value, are kept green and active, drawing water from stems — Nature's way. The leaves do not get brittle and shatter and fall off.

Good hay is made the John Deere Way in 24 hours, under favorable conditions.



John Deere Double-Cylinder Hay Loader

JOHN DEERE

THE TRADE MARK OF QUALITY MADE FAMOUS BY GOOD IMPLEMENTS

In order that a better understanding may be had of the intelligent use of commercial fertilizer, the county agricultural agent and the soils department of the Michigan State College were asked to cooperate in establishing twenty-two field demonstrations on different spring crops in connection with the use of commercial fertilizers, these plots being demonstrated throughout the entire county.

At the last meeting of the leaders it was unanimously decided to hold an Annual Soils Day in the fall of 1928 at which time all farmers of the county interested in the subject would be invited to attend and report on the progress of the soils program in Eaton County.

At the request of this group of farmers and others interested, including the majority of the board of supervisors, a soils survey will be made of Eaton County the coming summer as well as a survey of the marl beds located in the county.

Property owners along one of the main highways of Wisconsin have organized and are cleaning off the signs which recently adorned the road. Scenery is one of Michigan's resources and the people ought not to be robbed of its beauty by a never ending row of signs thrust between them and the natural beauty they wish to see.

DRAIN THE SWAMPS

For better health and bigger profits



A MICHIGAN farmer drained 20 acres of swamp land with Hercules Dynamite in the spring, planted it to onions, and his harvest netted him \$50 per acre clear in the fall. The rest of his land produced nothing that year because of drought.

There are 8,500,000 acres of wet soil in Michigan that if drained will produce valuable crops. Draining swamps means better health for any community because it eliminates mosquitoes that carry malaria and other fevers. It also means crop insurance, larger yields, better roads, fewer crop failures, and increased farm profits.

Turn some of your idle swamp land into productive fields this year by draining with Hercules Dynamite. Write for "Land Development" which tells you how to do it. This valuable book sent free on request.

HERCULES POWDER COMPANY

(INCORPORATED)

908 Market Street, Wilmington, Delaware
Please send me a free copy of "Land Development with Hercules Dynamite."

Name and Address

1928



Photo taken on farm of J. C. Seabrook, Rockville, S. C. DIPDUST treated seed yielded 26 bushels more per acre than same seed not treated.

Increase Your Potato Yield 15 to 25 Bushels per Acre with This Instantaneous Dip

Treat your seed potatoes as fast as you can scoop them up. Just dip them in DIPDUST solution and out again—all ready to plant.

DIPDUST protects the seed and insures a heavy, profitable yield. It is much more effective than the old-fashioned "two-hour soak" treatment—besides there is not the slightest danger of injuring the sprouts or even cut seed.

After one trial of DIPDUST you will never again waste two hours treating seed potatoes or spend two weeks worrying about your stand. Compare this New Treatment with the older ones:

THE NEW WAY

Dipdust Organic
Mercury Disinfectant

1. Requires less than 1 minute. One man can easily treat from 200 to 400 bushels of potatoes per day.
2. Can be used on cut or sprouted seed without the slightest injury.
3. After cutting, protects the cut surfaces from seed-rotting organisms in the soil. This insures a better stand of stronger plants.
4. Controls surface-borne diseases, such as Rhizoctonia, scab and black-leg.
5. Improves the stand and growth of the plants, and thus increases the yield 10 to 20%.

THE OLD WAY

Formaldehyde or
Corrosive Sublimate

1. Require from 1½ to 2 hours. One man can treat only from 50 to 75 bushels per day.
2. Can not be used on cut or sprouted seed without injury.
3. Before cutting, give no protection to the cut surfaces. The seed frequently decays in the ground before the young plants get started.
4. Although effective against Rhizoctonia and scab, do not control black-leg.
5. Frequently decrease the stand, and therefore the yield, to a serious extent.

GUARANTEE

Plant a few acres of DIPDUST treated seed in alternate rows with untreated seed. If, at digging time, you are not satisfied, return the empty DIPDUST can to us and we will refund price paid.

One pound treats 15 to 20 bushels of seed potatoes.

Treat your Corn and Vegetable Seeds too

You can now also disinfect your seed corn and vegetable seeds with DIPDUST and increase your yield by preventing many of the diseases which cause poor germination, weak, spindly plants, and poor quality crop. Simply use as a dust treatment. It is easily and quickly applied and costs but a few cents per acre. One pound of DIPDUST will treat six bushels of seed corn, or from six to eight bushels of vegetable seed.

The Bayer Company, Inc., Agricultural Dept., 117 Hudson Street, New York, N. Y.

DIPDUST

4 ounces - 50 cents 1 pound - \$1.75 5 pounds - \$8.00

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Plows, Seeds, Cultivates, Mows Lawns & Hay
For Gardeners, Florists, Fruitmen—Walk & Ride
SPECIAL FACTORY PRICE
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Fine for Truck Gardens, Small Farms, Estates. Does the work of 6 men. Plows, seeds, cultivates, runs belt machinery. Single or Twin Engines. Riding or Walking Types.
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on your own work at our risk. Write for LIBERAL TRIAL OFFER and our LOW FACTORY PRICE.
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Complete Tractor and Thresher Catalogs Free
THE A. D. BAKER COMPANY, Swanton, Ohio

Dust Does it

By H. A. Cardinell

OUR difficulty in Michigan as far as plant protection is concerned is in the inability of most growers to get over the acreage ahead of a long period of wet foliage and fruit. In planning for spray protection in the future we should think of the equipment that will permit a complete coverage within thirty hours.

Dusting as a commercial practice is only in its infancy. Most investigators give it a place in summer control of peach and plum pests. Many are granting it a place for certain pear diseases and insects. Very few are recommending dust for apples and all seem skeptical of it for cherries. Fruit growers, however, are using it on all these fruits with about the same range of success as any similar number of users of liquid sprays.

Dusting is so much faster than liquid that too many dust operators hold off too long with their applications. I am thoroughly convinced that

Laying Out Your Lawn

TREES should frame the house from the front or most important viewpoint and should be planted in groups or individually, says the landscape gardener at Michigan State College in considering the grounds of the Approved Farm Home. These and many other rules of laying out and planting the home grounds, are embodied in our latest service bulletin, "Michigan Approved Farm Homes."

If you are planning to improve your grounds this spring, a copy of this bulletin will help you to select and locate your planting properly. For your copy send ten cents in stamps or coin to Home Editor, Michigan Farmer, Detroit.

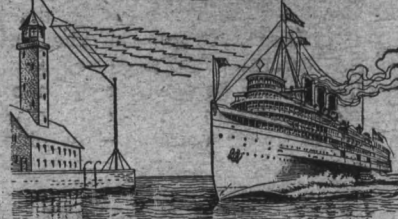
for the combined sake of economy and satisfaction in control that all dust should be applied between sun-down and sun-up. Calmness and moist air improves the thickness of the coating from a given dosage and permits a small dosage to give maximum results. Twelve to fifteen dollars will furnish a season's light for night spraying. It can either be a generator or a connection for prest-o-lite gas. One twelve inch reflector, and burner and a swing joint can be purchased and pipe fitted at home to any place on a sprayer or duster.

Two hours with a modern duster can protect as much acreage as our best growers are protecting with liquid in a full day. For this reason, many growers have a duster on hand to supplement the liquid output. This is certainly good management. Several growers in Michigan are using only dust for all their fruits and are obtaining satisfactory control at less than one-third the labor charge for liquid spraying.

With the largest type sprayer, in 1926, it took us twenty hours to spray as many trees as the Huron farms dusted in five and one-half hours. The average Michigan sprayer would require fifty hours to do this acreage. Besides this, dusting was done at a tree cost of two cents less for the season than we did with a large sprayer.

In one test we dusted fifty apple trees over fifty years old. To load the hopper with one hundred pounds of dust required seven minutes, and fifteen minutes to dust it onto the trees, completing the trees with a two side application and a dosage of two pounds per tree applied in a total of twenty-two minutes. Our liquid sprayer on this size of tree, using a large triplex sprayer, was done at the rate of fifty trees every five hours and 500 gallons of material or ten gallons per tree for each application. All sea-

Travel the Great Lakes First!



D. & C. Steamers Guided by Radio Compass Signals

To Lovers of Sea, Sky and Drifting Clouds:

Summer is just around the corner, and it is in order to suggest a cruise on the Great Lakes as part of your vacation.

We would be pleased to help you plan an outing of two, four, six or eight days' duration on the Lower Lakes, and supply you with pictures and descriptions of pleasant places: Niagara Falls, Mackinac Island, and others.

If you contemplate an automobile tour, plan to make part of the journey by boat. Our overnight service between Buffalo and Detroit; Cleveland and Detroit, is used extensively by automobilists. If you desire a longer voyage our line between Cleveland and Chicago, via Detroit, Mackinac Island and St. Ignace, will appeal to you. Dancing, concerts, radio entertainments, deck games on shipboard—not a dull moment.

A. A. SCHANTZ, President

D&C Lake Lines



Fares: Buffalo to Detroit, \$5; Cleveland to Detroit, \$3; meals and berth extra. For the Chicago-Mackinac Island tours fares given are for the round trip, and include every expense on steamers: Buffalo to Mackinac Island, \$49; to Chicago, \$79. Cleveland to Mackinac Island, \$41.50; to Chicago, \$71.50. Detroit to Mackinac Island, \$30; to Chicago, \$60. Stopovers at Mackinac Island and other ports. For reservations, address E. H. McCracken, G. P. A., Detroit and Cleveland Navigation Co., Detroit, Mich.

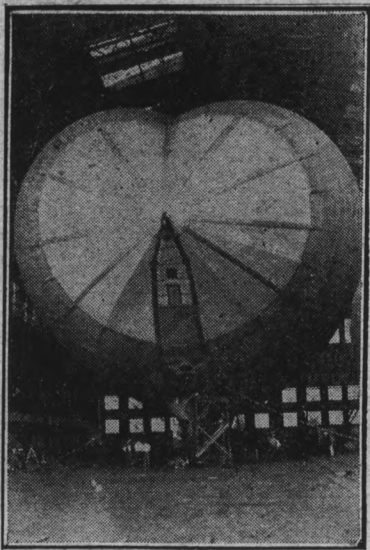
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Before you buy Farm or Poultry Fence, Fencing, Gates, Steel Posts, Barb Wire, Roofing, Cream Separators, Pipeless Furnace or Paint get my New Free Cut Price Catalog
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By using Kalamazoo Glazed Tile you put an added cash value into your buildings—at no extra cost to yourself. Permanent—fire-safe
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son we averaged to do in twenty-two minutes with the duster what the same man and driver did with an average sprayer in five hours. Those that have tractors that can be used on sprayer or duster should do so if only half the acreage is suited to tractor work. I have records to prove that the same man puts on twice the coverage of dust behind a team that he applies behind a tractor in low gear. Many growers say that dusting costs more than spraying. If that is true those operators are traveling too slow and putting on an over-dose of dust. Dusting should always cost less than a season's spraying of labor is figured in the cost.

WORLD EVENTS IN PICTURES



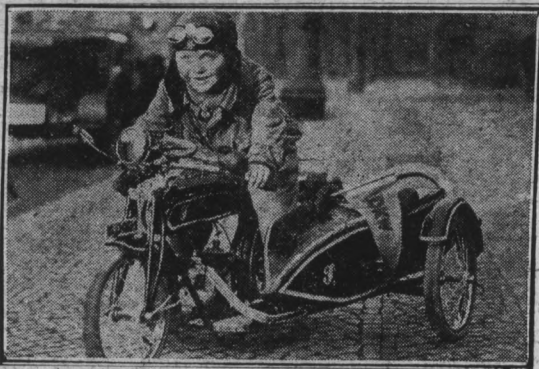
The heart-shaped bow of the new R S-1, the new semi-rigid airship of the U. S. army.



A fine action shot of some of the cavalymen of the University of Georgia, making a dangerous ditch jump. This is one of the two mounted units in the South.



Olive Williams of New York, only woman head of aviation school, teaches 150 men and 30 girls.



The world's smallest motorcycle and motorcyclist. The bike really works although it stands only as high as a motor bus wheel.



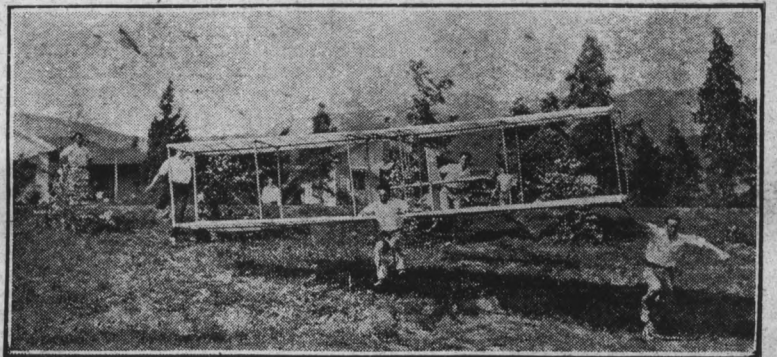
Tex Rankin plans a sixty-hour endurance flight in a copy of Lindy's "Spirit of St. Louis."



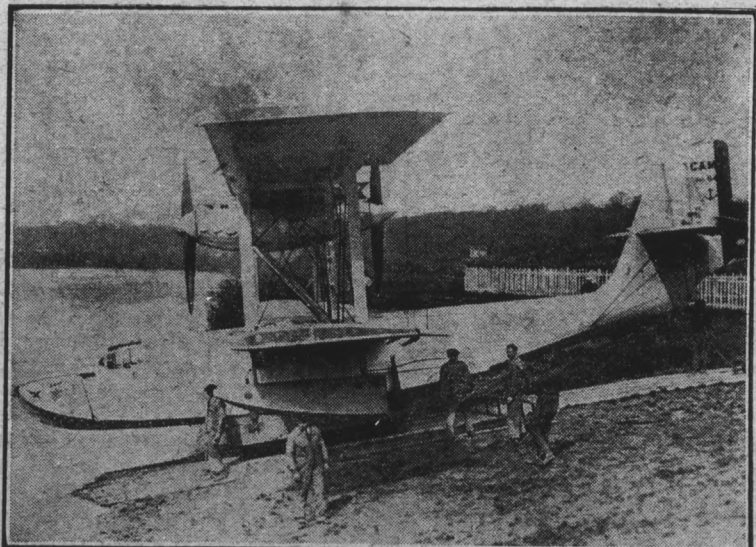
A two-ton horse of re-enforced concrete—for first time British Royal Academy exhibits statue of modern building material.



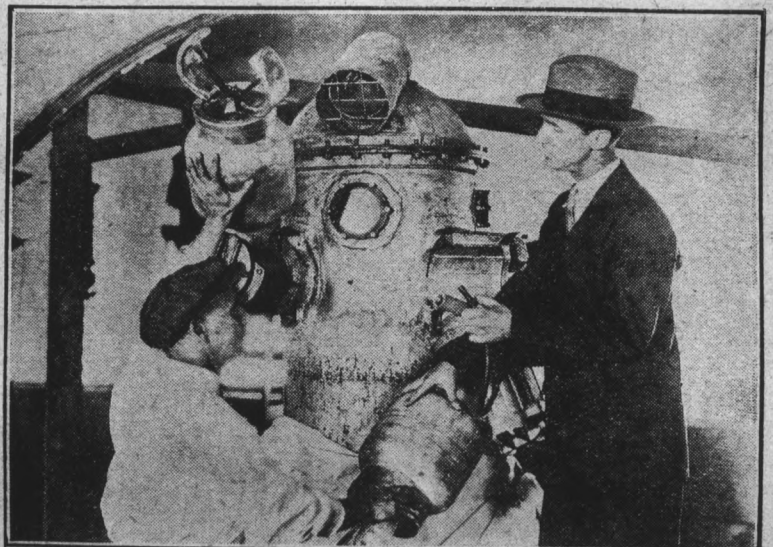
Herta and Ehrhardt Junkers, daughter and son of the designer of the Bremen, were active in the direction of the early rescue of the German flyers from Greenly Island.



Aviation students learn to fly from the ground up by practicing on gliders used in experimental days. John Deuel flew 150 feet in this glider which has a twenty-foot wing span.



Naval Lieutenants Hurel and Paris will attempt to cross the Atlantic from east to west in this one thousand horsepower plane which will carry 1,320 gallons of fuel.



By means of the powerful searchlights and mechanical grapple paws of this strange device, H. P. Bowdoin hopes to search the ocean floor for sunken treasures especially those of the Lusitania.

THE big week was drawing to a close when early one morning Bob, Vic, and Ted, returning from breakfast to the camp, approached the tents which sheltered the girls. There was not even a solitary pedestrian upon the walks which soon would be so thickly populated. Blithely the boys swung along, Ted, now almost recovered from his injury, in the lead. Suddenly as they approached a tent, they heard the pleading voice of a girl. "Go away, please," the voice came to them, "you have no business here." A gruff laugh and then the voice of Katie O'Neal, clear and cold as ice. "Get out of this tent at once," Katie was saying, "or I'll call the police."

"Aw, cutie, give us a kiss!" The voice was that of Red, and with a bound Bob Barton tore through the tent opening, his mates at his heels, just as a scream rang on the air. Katie O'Neal, fighting with the fury of a wildcat, was in Red's arms, while another burly lad held close the girl whose voice they had first heard. A third young ruffian, on guard at the opening, had been thrust aside by Bob's charge.

Smash! Bob's blow landed full on Red's evil grinning mouth. As her assailant staggered, Katie tore loose from his grasp. Smash! Bob drove home another blow before Red, head down, rushed with a bellow of rage. In one corner of the tent Vic Slade and the ruffian who had attacked Katie's friend were at it hammer and tongs. The third intruder had bolted, limping Ted hot on his heels. Scream after scream rent the air as the combatants fought. "Hush," cried Katie. "Hush! No danger now." Holding her friend close as she soothed her, Katie O'Neal for a moment went back into the days when her wild Irish forebears fought for the honor of women and the joy of victory. Eyes ashine, white teeth clenched into a lip that bled, Kate watched the gallant stand of her champion against a man pounds heavier, years older, who had won gang leadership through conquest. Slade's opponent, too, had taken flight. "Hey, Red, police!" he had yelled as Vic pursued. But in the tent the two still fought, Bob in grim silence, Red mouthing profanity through battered lips.

A babel of voices outside, the command of an officer. Into the tent rushed two men in uniform just as Bob, with one final crashing blow, stretched his opponent on the ground. Prone and still lay Bob's enemy, and as Bob stood panting above him a stalwart policeman slapped his back. "Begorra," cried Officer Hennessy, "'twas a clane knockout. Some broth of boy you are, clanin' that young roughneck that's twenty pounds heavier. Get up from there, you ornery devil!" Yanking the still dazed Red to his feet, the officer rejoined their companions who held fast Red's pals. Outside Bob could hear the eloquent Ted informing the curious just what had happened and why.

With blood dripping from a nose which rapidly was assuming twice its normal size, one eye closed and clothing half torn from his back, Bob Barton lacked much of the appearance of a gallant knight. But a soft hand reached up, a dainty handkerchief stanching the flow of blood, and Katie O'Neal was uttering words of thanks. Bob took her hands and smiled down with a twisted grin. Kate's friend came up to thank Vic and Ted who had come in. Perhaps it was a time for pretty speeches, but Ted Baldwin voiced the sentiment of the several club boys who had gathered when he said, "Forget it, girls, forget it. We'd been longin' to take a punch at those birds all week." In the heart of a girl, however, there ever would be enshrined the picture of one none the less knight because he wore modern

garb who had fought for her. Photographed when he was proclaimed champion Bob Barton had acceded to the request of a reporter and given a short sketch of his hitherto uneventful life. Now, hailed as a hero in headlines of the evening papers, his picture prominently displayed, Bob found himself in the limelight. Modest to the point of bashfulness, it required the command of his friend Burton, as well as the appeals of his pals, to induce him to leave the tent and mingle with the club folks. There was no mistaking the boy with the

tripped toward the judges, who were making notes, bowed to the applauding crowd, took her place in line. "A thoroughbred," announced a horseman guest in a voice audible throughout the room. "By Jove, a thoroughbred!" The modest little frock made by skillful hands might have been a regal garment as worn by its owner. But the crown which Kate O'Neal wore was the crown of simplicity and modesty. The final contestant joined the silent four, the judges whispered in consultation, the room grew still. Miss Gray, club leader from a neighbor-

Under the 4-H Flag

By John Francis Case

Mother O' Mine

By James Edward Hungerford

There's an old-fashioned house
At the end of a lane,
That has always seemed Heaven to
me;
For an old lady lives there,
Just simple and plain—
An angel, if ever there be!
Her eyes are pure well-springs
Of sweetness and love—
The sun it just shines in her smile!
And I know the Lord sent her
From up there above,
To brighten this world for a while!

Her sweet face is crowned
With a halo o' white—
Her robe is a calico dress;

And she goes about singing,
From morning 'till night—
Her voice like a soothing caress;
And there isn't a queen
In this world anywhere,
Can look any finer than she,
When "Ma" sits on her "throne"—
Just an old rocking-chair,
And smiles at her worshiper—me!

There are folks who think Heaven
Is some far-off place—
They're hoping they'll find it some-
where;
But I'm right here to say,
If they'd glimpse mother's face—
They'd think she was already there!

black eye and the swollen nose. Admiring small boys followed him, simpering town girls came to the camp inquiring for the "young hero." Bob kept aloof from the crowd and prayed that the week would soon end. When the final day arrived, though, and with it the banquet tendered club members, he was at the Brown County table. True to Miss Edwards' prediction, the style show award had been deferred. Five county champions were up for final judgment, among them Kate O'Neal.

The big room was jammed to the doors with happy diners. Using a big spoon as a baton, Miss Edwards led the audience in stirring club songs. Champions of the respective classes were hailed with cheers and yells of their partisans, and when Bob Barton stood in response to the call of his name the cheering was prolonged for minutes. State Leader Morton smiled at Miss Cowan, his assistant. "Fights like his father plays," he said. Bob caught the words and grinned in response. Good old dad! He'd be proud of his son. Apart in one group the three style show judges conferred as the first name was called and a pretty girl from King County stepped daintily down the aisle. The final contest was on. Two others followed in quick succession, the audience warming in its applause with each succeeding contestant. Now came the fourth and Brown County rose en masse to shout its greeting and admiration.

Face flushed, eyes bright, golden head high, Katie O'Neal was like a wild flower as she seemed to float along. Light as thistle-down she

ing state, beckoned Miss Cowan. In almost breathless suspense, contestants and partisans awaited the verdict. With a smile illuminating her piquant face Miss Cowan held up her hand.

"I have the great honor," announced Miss Cowan, "of presenting the unanimous choice of the judges as state style show champion—Miss Katherine O'Neal."

With a leap which almost upset the table, Ross Burton was on his feet. Up sprang Brown County followers to follow his leadership in a cheer which shook the room. Then as the tumult of cheering died and Katie O'Neal, with face flushed and eyes downcast, bowed her thanks to the judges, Miss Edwards led the song, "Brown County Forever." How they sang it, those farm boys and girls, their hearts in their voices. Bob Barton, thrill as never before with a hard-won victory of his own, felt deep within him a response that welded his very soul to those about him. Here was comradeship. Here in this room was the flower of future citizenship representing a great state, a citizenship which could "win without boasting, lose without squealing." Even now the losers were embracing their winning friend, showering her with congratulations. What a great week so fittingly ended. What wonderful thing the work of the four-leaf clover brigade was. How great future possibilities.

While the boys from Brown County were preparing to load their pigs for the return home, Bob Barton was approached by a bluff veteran of the show ring whom he had seen about

the swine pavilion. Casting an approving eye upon Stonewall Jackson, the breeder observed, "Mighty likely looking pig you've got there, son. Is he for sale?"

Up came Vic Slade to answer. "Sure, he's for sale, Mr. Austin. Bob has only his sow and contest litter on the farm."

"I'd like to add this fellow to my show herd," said Austin. "He's a great prospect. What's the breeding?"

Briefly Bob sketched the ancestry of club champion. Austin nodded approvingly. "Carries the blood of champions," he remarked, "and will pass it on. I'm a man of few words, son. Right now I'll give you my check for \$250 and take him along." Out came a check-book and Austin began to write.

"Hold on, Mr. Austin," began Bob hesitatingly. "I'll have to speak to our county agent about that. I'd promised to put 'Stony' in our Brown County pig club sale."

"Look him up," came back the breeder impatiently. "I've got to get away. He won't turn you down on a sale like this."

With Vic and Ted at his heels Bob set off. Think of it! More than double the amount he owed for his sow, half the rental of the farm for one pig. Soon Ross Burton was in possession of the facts, and his keen eyes searched Bob's face as the story was told.

"Yes," said Burton slowly, "I can release you, but there's another side to the story. Do you realize that the simple fact a state champion is included in the sale offering may mean dollars to every other club member who offers stock? Undoubtedly it will bring breeders who never would come otherwise. Nevertheless, I doubt if your pig will bring as much as Austin has offered you for it will be past the fair season, and he wants 'Stony' for his show herd right now. Bob, I'll just put it up to you. Do what you think is best and right."

For a moment Bob Barton pondered. Here was a golden opportunity which might never come again. There was the constant menace of loss to consider. The cold cash awaited him. But if, as Burton had said, sale now might mean loss to his friends, was it a fair and honorable thing to do? Wasn't loyalty one of the cardinal principles of 4-H Club work? Up came Bob's head, and he looked Burton in the face. "It wouldn't be fair, sir," Bob said, "if I should sell now. 'Stony' goes back to Brown County."

Ross Burton's hand flashed out in a grip which made Bob flinch. "Old man," said the agent, "I'm proud of you. That's exactly what I thought you'd say. We'll do our best to get you a fair price, too."

As Bob Barton hurried back to the waiting breeder, Vic and Ted lingered for a moment's conversation. "All wool and a yard wide," announced Ted emphatically. "That's the kind of guy you can tie to. But I wonder how many other boys in Bob's position would have done as he did."

Disappointed, but not disposed to criticize when Bob explained the matter, Austin tore up his check. "You have a fine sense of honor, young man," he remarked. "Not many of us older breeders, I fear, would refuse a sale. If nothing happens I'll come to Brown County when your sale is held. They must breed champions other than swine there, too."

Homeward rumbled the big truck, and as they traveled the boys again sang, "We're forever boosting club work." But the picture which lingered with Bob Barton was not the glory of his own achievements, the happy days of the week, but of Kate O'Neal modestly acknowledging her honors won. Yes, there were champions in Brown County.

(Continued next week)

Frank R. Leet

Activities of Al Acres—Get in the Parade, Al



"Good"?...
I call it
perfect!



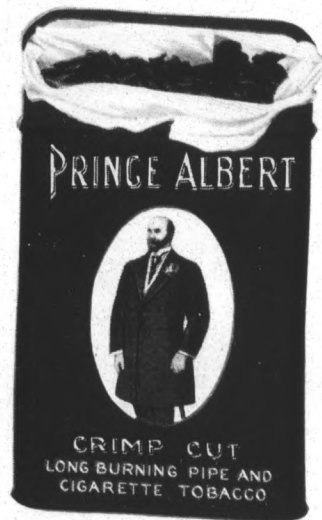
PRINCE ALBERT is a mild tobacco, but "good" is too mild a word to describe it. "Good!"—why you *know* it's better than that the minute you open the tidy red tin and set loose that P.A. fragrance. Your mouth waters for a taste of such tobacco.

You waste no time in loading up and lighting up. Then you get the answer to why P.A. leads them all in sales and satisfaction. Cool as a speed-cop taking your number. Sweet as getting off with "Don't let it happen again." Mellow and mild and long-burning. What do you *mean*—"Good"?

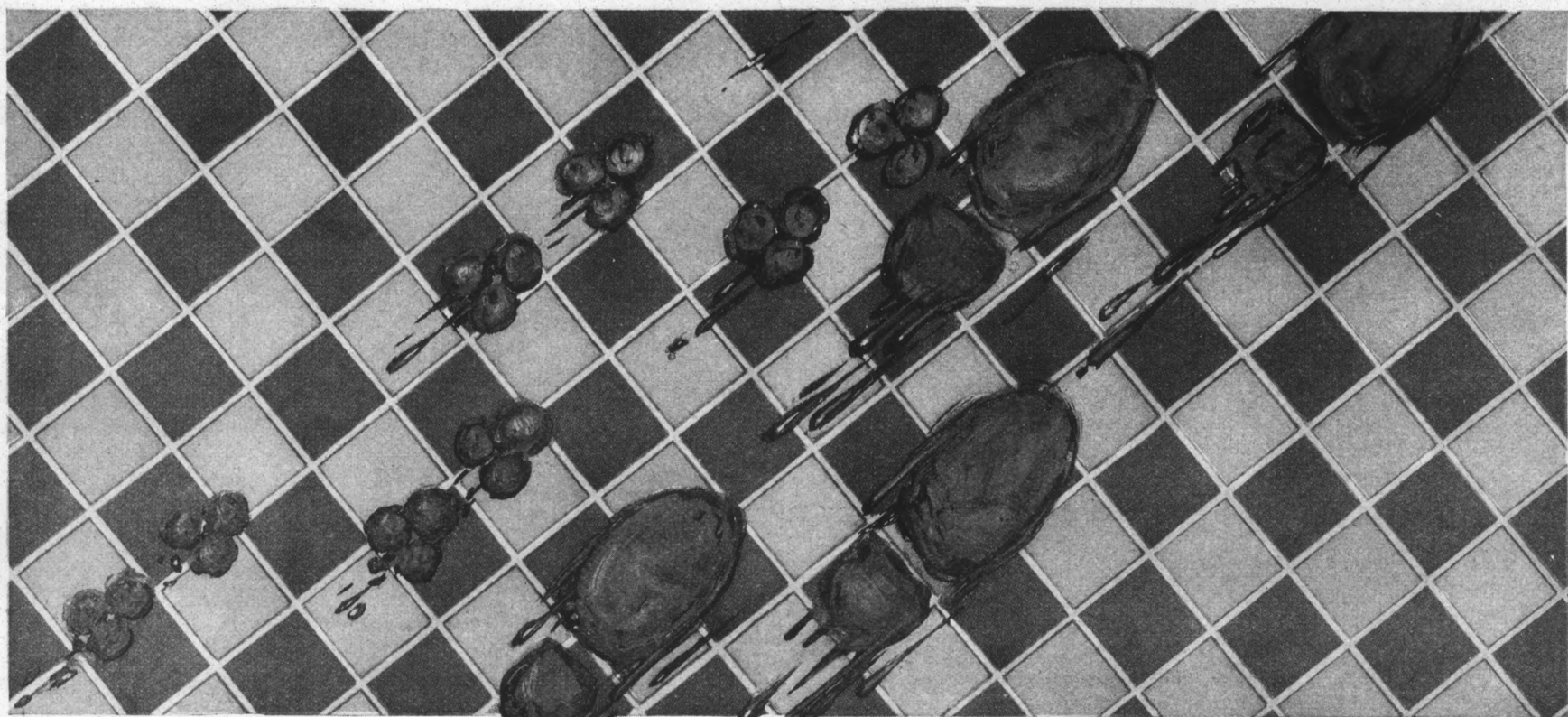
Some fellows stumble into the detours for awhile, and others take the main road to pipe-joy. The more you demand in a smoke, the quicker you come to P.A.—to stay. You can't fumble the fact that more men smoke P.A. than any other brand. "Good"? I call it *perfect!* So will you.

PRINCE ALBERT

—the national joy smoke!



This tin contains TWO full ounces of pipe-satisfaction.



Willie Makes His Mark *on the Kitchen Floor*

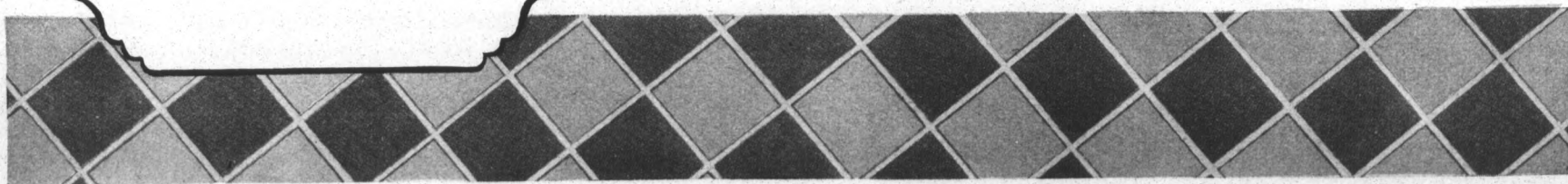
A SMOOTH clean floor, glowing with bright color, soft to the feet, is an inspiration and a labor saver. Not only does Mother find this floor easy to keep clean, but its clear blue and soft gray tints stir her love of the beautiful so that she steps about her tasks more lightly. Old songs and happy thoughts come back when a woman begins to work in a kitchen equipped with the new beauty of a modern floor.

For any room in the house as well as for the kitchen there is an appropriate floor covering. You want the best in durability and beauty for the money you spend. A well selected rug, suitable to the room, will add comfort and delight, and if the materials are good, it will last many years. Learn all you can about designs, colors and types of weave. It is a fascinating and useful study.

The advertisers of floor coverings in this paper are people you can trust. They have staffs of artists and home economics experts who are constantly studying, developing the best in quality and design. Read what they have to say. Ask them questions. Depend on them.

WILLIE finds all the mud. He comes hurrying in, much too busy to clean his shoes, and the Pup joyously follows. Maybe Dad gets thoughtless sometimes and once again Mother has to wipe up the floor.

If it's an old worn splintery wood floor, it is never really clean. Scrub it, mop it, still it has that sodden gray color, depressing to the spirit. If the baby crawls over it on Sunday when he's dressed up, he looks like some stranger's child.



for Economical Transportation

CHEVROLET



Fisher Bodies

Chevrolet is the lowest priced car in the world offering bodies by Fisher—famous the world over for style leadership, comfort, modern design and the safety of combined hardwood and steel construction.



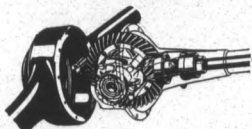
Adjustable Valve Tappets

The improved valve-in-head motor of the new Chevrolet has adjustable valve tappets—a feature which assures continued motor efficiency and quietness and prevents gradual loss of power and acceleration as the car is used.



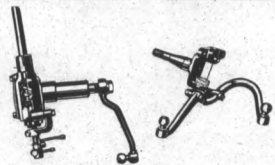
"Invar Strut" Pistons

Constant clearance alloy pistons, designed with two "invar struts" in each, make the Chevrolet motor smoother, snappier and more powerful. The costly "invar struts" minimize expansion and contraction permitting close fitting pistons to assure quietness and efficient operation.



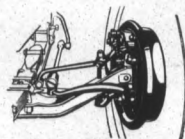
Rugged One-Piece Rear Axle

A rear axle proved by millions of miles of use. The differential mechanism and side gears are securely mounted, while the housing is the one-piece type fitted with an inspection plate for convenient, inexpensive adjustment.



Ball Bearing Steering Gear

The new Chevrolet handles with marvelous ease and surety—for the worm and gear steering mechanism is fitted with ball bearings throughout, even at the front axle knuckles.



Non-Locking Four-Wheel Brakes

with separate Emergency Brake

Chevrolet's four-wheel brakes were developed in cooperation with General Motors engineers. They are non-locking, have an area of 189 sq. in. and are separate from the emergency brake.



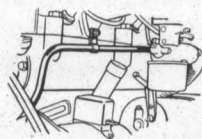
Gasoline Tank at Rear

All Chevrolet models have a safety gasoline tank at the rear and a vacuum fuel system which assures positive gasoline supply even on the steepest hills. The tank is protected by a heavy steel cross member and has a gasoline gauge.



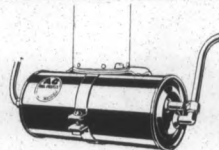
Genuine Duco Finishes

All Chevrolet models are finished in modish shades of genuine Duco—the original, modern motor car finish which does not check or crack and which keeps its lustrous new car beauty indefinitely.



Crankcase Breathing System

A ventilating system which clears the crankcase of vapors prior to condensation, minimizes oil dilution, and adds materially to the long life of the motor.



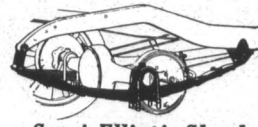
AC Oil Filter

The crankcase oil that is circulated by the self-priming pump is constantly forced through an AC oil filter which strains out dirt and foreign material, thereby increasing the life of all moving parts inside the motor.



AC Air Cleaner

An AC Air Cleaner is another motor safeguard which removes dust and grit from the air drawn into the carburetor—a modern feature which adds to car life and operating efficiency by reducing internal wear.



Semi-Elliptic Shock Absorber Springs

Comfort and safety over all roads is assured by Chevrolet's semi-elliptic shock absorber springs set parallel to the frame. These are 84% as long as the wheelbase and are made of fine chrome vanadium steel.

Embodying every modern feature of Advanced Automotive Design!

Rugged, powerful and dependable—the Bigger and Better Chevrolet is designed and built to deliver the strenuous, day-after-day service that a motor car must give when used on the farm.

Every unit of this remarkable car has been developed by engineers who are specialists—and has been proved by tens of thousands of miles of testing at the General Motors Proving Ground.

Visit the salesroom of your Chevrolet dealer and make your own inspection of this sensational car. Note the sturdiness of its construction throughout—definite assurance of years of dependable service. Drive it—and see how effortlessly it climbs the steepest hills—how easily it steers and rides over the roughest roads. Note how generously roomy it is—how smartly styled.

Then you'll realize that here are quality in design, quality in materials and quality in construction never before available at such amazing low prices.

CHEVROLET MOTOR COMPANY, DETROIT, MICH.
Division of General Motors Corporation

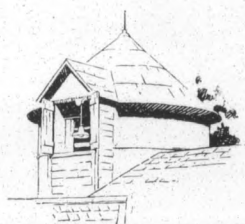
The Touring \$ 495	The 4-Door Sedan \$ 675	The Imperial Landau..... \$ 715
The Coach \$ 585	The Sport Cabriolet.... \$ 665	Utility Truck (Chassis Only) \$ 495
The Coupe \$ 595	All prices f.o.b. Flint, Michigan	Light Delivery (Chassis Only) \$ 375

Check Chevrolet Delivered Prices

They include the lowest handling and financing charges available.



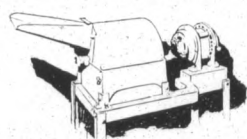
Q U A L I T Y A T L O W C O S T



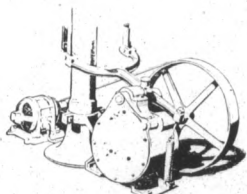
The electric light at the silo is one of the simple conveniences that mean so much on the farm.



No time lost heating the soldering iron—electricity keeps it hot continuously.



The automatic motorized feed grinder saves money, labor, and the farmer's time.



The motor-operated pump jack turns the old farm pump into a constant, trouble-free source of water supply.



Cut Odd Jobs Short

ODD jobs! Not important in themselves, but jobs that someone *has* to do—and no one wants to. How we wish we could get rid of them! Even electricity can never quite do that. But it makes mighty short work of most odd jobs.

Saws, grindstones, feed-grinders, and pumps are no longer implements of human drudgery on farms where G-E Motorized Power is used. Electric equipment gets things done quickly, and is often entirely automatic.

When motors, control, lamps, and other equipment bearing the G-E monogram get to work on your farm, the time and annoyance of odd jobs will be cut short. There will be more time for the new things you want to do, and farm life will take on a new attraction for you and the younger generation.

Ask Your Power Company

If your farm is on or near an electric power line, ask the power company for a copy of the new G-E Farm Book which explains more than 100 uses for electricity on the farm.

GENERAL ELECTRIC

The land of Opportunity



Feeding little mouths is Easier in CANADA

Less for **LAND**
more for **CROPS**

For free literature on Farm Opportunities in Canada write nearest Canadian Government Information Bureau.

Mail This Coupon Today to
F. W. Kerr, Dept. B-39,
10 Jefferson Ave. E., Detroit.

Name.....
Address.....

MICHIGAN FARMER
Classified Liners get results. Try one.

Why Burn Coal?

or Wood in Your Cook Stove or Heater when you can have instant heat with convenience by installing a Uni-Hete Kerosene Burner in five minutes' time!

For a limited time we offer to send C. O. D. this \$15.00 burner complete — including flexible fuel supply tubes, regulating valves and galvanized iron tank, ready to install, for only \$6.00.

Fits Any Stove or Range
Fully guaranteed against all defective workmanship and material for one year. Any part that proves defective, if returned, will be replaced free of charge.

Improved New 1928 Uni-Hete
vaporizes kerosene or distillate, mixes it with air, producing an intensely hot, clean, smokeless, silent burning flame. Heat can be regulated to any degree by fuel controlling valves. Improves your stove 100%. Have been manufacturing oil burning devices for thirty-three years. We make this offer for a limited time only. Specify if for range or heater.

ACORN BRASS MFG. COMPANY
532 Acorn Building Chicago, Illinois

profit from farm made apple products



Sparkling sweet cider, farm-made apple butter and apple jelly find a ready market the year 'round. Convert your off-grade apples into these products and draw

a profitable trade right to your door. The equipment is not costly and the labor involved is slight. Mount Gilead apple butter cookers and steam evaporators for making jelly are simple to operate. Mount Gilead Hydraulic Cider Presses have been famous since 1877. They get every last drop of juice.

Of special interest to cider makers is the new Mount Gilead Fresh Cider Filter. It removes every trace of pomace and sediment without heating, and leaves the cider sparkling and attractive without affecting its fine flavor.

Write for Catalog (Describing Mt. Gilead equipment to turn your undergrade fruit into profit).

THE HYDRAULIC PRESS MFG. CO.
804 Lincoln Avenue, Mt. Gilead, Ohio
Manufacturers of the NEW

Mount Gilead POWER SPRAYERS

FREE! To bonafide orchardists we offer a FREE subscription to Orchard Products News. Check the coupon if you want it.

Name.....
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Fresh Juice Filters.....Hydraulic Cider Presses.....
Orchard Prod. News.....Apple Butter, etc. equip.....
Power Sprayers for Orchards.....Crop.....

Rural Health

CHILD AND ADULT SLEEPING TOGETHER

Is there any danger that a child sleeping with an older person will lose health because the older one saps the vitality from the child?—Mother.

I doubt if an older person sleeping with a young child would take away any vitality but I do not think it a healthful plan for either of them. Sleeping alone is always best. The sleep is not so apt to be disturbed by the motions of the bedfellow and there is more room for the sleeper to make desired changes in position.

PASTEURIZING MILK

What about pasteurizing milk? Does it destroy the vitamins?—K. R.

Milk is not seriously disturbed as to its vitamin content by pasteurization. If it should be boiled, however, certain of the vitamins are destroyed. In that case you should provide for the vitamins in feeding infants by giving a small amount of orange juice or tomato juice.

WINS WITH APPLES AND SPUDS

(Continued from page 643)

company. Mr. Lincoln has on his farm a very successful storage house which has been described in this journal. Here he keeps supplies for the local trade and regular customers.

We have already mentioned the use of alfalfa to improve the soil on this farm. The crop supplies hay and green manure for enriching potato fields. Last summer he had sixteen acres devoted to this crop. Alfalfa is seeded after potatoes. The field is limed in the fall or early spring, disced, and harrowed often. After the seed is inoculated and sown the latter part of June, the field is worked and firmed with the culti-packer. He grows the Ontario Varigated variety. Hay is cut in the ordinary manner.

The illustration shows the Lincoln home situated on a slight elevation amidst dignified native trees. The house has a full basement, bathroom, furnace, running water, gas, refrigeration, sewage system, vacuum cleaner, and ironer. The laundry work is done in a special room. There is also a piano, radio, and phonograph. Two members of the family play instruments.

Mr. Lincoln shares his success with his good wife who has been a faithful partner whether things were going well or not. Their four children, two boys and two girls, have all had a high school education. Furthermore, one took special work at the Michigan State College, another has a degree from the University of Michigan, and a third is now taking a normal training course.

Besides succeeding at farming against many odds, this man has been most active in local and state farm organizations and movements. He has been a leading spirit in the Greenville Potato Show and has memberships in the American Pomological Association, National Potato Association, the Michigan Crop Improvement Association, the State Farm Bureau, the Grange (all degrees), and the Greenville Chamber of Commerce.

His income, he states, now nets him on an average about fifteen per cent on his investment in his farm. He says, "I belong to the small-farm-well-titled class and we are contented and happy."—B. W.

Jackson: "The idea of letting your wife go about telling the neighbors that she made a man of you! You don't hear my wife saying that."

Johnson: "No, but I hear her telling my wife that she has done her best."



Is Your Kitchen Convenient?

If you are drudging along day after day in an old-fashioned kitchen, without the modern conveniences that our stores have for you, you should make up your mind right now to relieve yourself of some of this extra work. Modern conveniences are as essential to the kitchen as they are to the field or barn, and no farm can be truly profitable and become a real home when this seven-day-a-week workroom lacks the right equipment.

With the handy pressure gasoline or kerosene stove for summertime, so your kitchen can be cool; a good sink, with running water; a convenient water heater; and the necessary little things that are such time savers in your kitchen, you can save hours of disagreeable work. Check over this list for items that will make

things easier for you and come to one of our "Farm Service" Hardware Stores and let us help you in your selection. Remember that you will get the utmost in value, friendly service and thoroughly dependable quality at the lowest price in your home town "tag" store.

Your
Farm Service HARDWARE STORES



Look for the Sign of the "tag" in the window.

The WOMAN'S INTERESTS

Make the Most of Your Closets

How to Have a Place For Everything and Everything in its Place

SPRING, with its fever for cleaning and renovating, brings back to mind the old, old saying "a place for everything and everything in its place." One begins to wonder how more storage space may be provided. Or, if closets are cluttered and small, how can order and system be brought out of disorder and chaos.

In most homes the more closets and cupboards that can be provided, the happier becomes the housewife. Besides the usual storage space in the kitchen which provides for supplies and utensils there are throughout the

Just Girls



This ensemble has a kasha coat lined partially and trimmed with a silk plaid. The remainder of the lining is of the same material as the crepe dress, which features the plaid belt.

house, cleaning closets, laundry closets, clothes closets, and other storage space which might take care of children's toys, magazines, rubbers, boots, etc.

The cleaning closet, in which brooms, sweepers, mops, buckets, brushes, and other cleaning supplies are kept, should be sufficiently large as crowding spoils brushes and brooms. There should be floor space for sweepers and mop pails, hanging space for brooms, brushes, and mops, and shelves for cleaning supplies such

Home

NO genuine observer can decide otherwise than that the homes of the nation are bulwarks of personal and national safety and thrift.—J. G. Holland.

as cleaning powders, furniture polish, etc. It is well to have a drawer or two in which cleaning cloths may be kept. This closet is best at the back of the house, in or near the kitchen. If there is a back passage way, that is a good place for it. An old wardrobe may be converted into a very convenient cleaning closet or different companies are now including cleaning closets in connection with their sectional cabinets which are very good and probably as cheap as to have one made.

The laundry closet should be in the

room where laundry work is done. It may be high enough to have a shelf at the top for the soap, bluing, starch, and stain removers, with space below for baskets, wash boards, and ironing boards if this is not built in a separate place.

A linen closet is one of the most important store rooms in the home and should be located in a part of the house where it will be most accessible. It should be planned with the idea of classifying and organizing the different sizes of sheets, pillow cases, towels, spreads, and any other household linen. Sometimes the extra bedding is also stored in the linen closet. When this is done, wider and deeper shelves are necessary. The shelves with drop fronts are desirable as linen is very heavy to handle in a drawer and the drop front extends the shelf which may be an aid in sorting the linen. Sliding trays are sometimes used for the linen. They are made by simply having the drawers shallow and cutting away part of the front.

Clothes closets should be arranged in every bed room of the house and a closet for outside wraps is very desirable in both the front and back of the house. The most important things in connection with clothes closets are to have easy access to every garment, good light, and the possibility of airing. Clothes closets should

In every home there is usually some place for the medical and surgical supplies and this is commonly termed the medicine chest. This should be a shallow closet with narrow shelves so all bottles will be in single rows, each plainly labeled. All poisons should be kept on a shelf by themselves. It is also a good idea to either have a different shaped bottle or a different kind of stopper so they will be recognized in the dark. The medicine closet is usually placed in the bath room although this is not necessary if there is a more convenient place.

Besides these closets listed there are always odds and ends of storage spaces around the house that can be utilized to good advantage. Sometimes it is a bit of space around the chimney, a set of drawers under the stairs, or a window seat. If the window seat is on the second floor, it could be lined with cedar and make a possible storage space for wool blankets.

One seldom has too much storage space or too many closets. The main thing is to use every nook and corner to the best advantage.

FROM MY KITCHEN TO YOURS

IT'S a job to keep appetites pepped up when the whole family becomes exposed to spring fever all at once but these are a few of the recipes to

Where Mothers Are

By Rosa Zagnoni Marinoni

Today is Mother's Day. You wear a rose,
You mail a letter or bow your head in prayer.
No matter where your mother is tonight,
Look in your heart—and you will find her there.

be sufficiently wide to take a coat hanger without the clothes touching the walls, but, on the other hand, it is not well to build them too deep. A closet two feet deep and three or four feet long will hold many garments if it is correctly arranged. A horizontal bar running lengthwise is economical of space and makes a very good way to hang one's clothes.

Sliding rods can be used for the small "hole-in-the-wall" closet. These rods can be pulled out of the closet into the room. They are especially good for the closets under stairways.

The wardrobe closet is being utilized much in the modern home because of its compactness. These can be planned along the lines of a wardrobe trunk. It can be divided vertically into two equal spaces, each protected with solid panel doors. Have the compartment on one side sufficiently wide to allow for a coat hanger. In the other compartment might be a tier of drawers with a shelf or two below for shoes and at the top two small closed doors to use for hats.

Shoebags made of colorful chintz to fit the dimension of the door may be used. Shelves for hats and shoes can be respectively above and below the garment space. A shoe support on the door or inside the closet is a very tidy way of taking care of the shoes. Curtain rods may be used.

which I refer at such times.

Ham Zest

2 cups minced cooked ham
3 small minced pickles
3 hard cooked eggs
1 minced pepper
Salt, paprika

Mix all ingredients together and add just enough ham stock from which the fat has been removed to bind together. Turn into any kind of a mold which can have a weight placed on it. Let stand over night. Turn on a platter, garnish with cress, and serve with a sauce made by mixing two-thirds cup of tomato catchup and one-third cup horseradish sauce.

Apple and Pea Salad

Marinate one cup peas, one cup diced celery, one cup diced apple, and one-half cup nut meats with mayonnaise. Serve at once with sprigs of watercress.—Mrs. R. S.

REMOVING PRINTING FROM FLOUR SACKS

DO not use kerosene or other oil to remove the printing from flour sacks, is the advice of the companies who feature the usefulness of the cloth bags in which their products are sold. First, wash out the sacks in soap and hot water, rubbing the printed surface on a scrubbing board. Rinse and then boil the sacks in strong suds for half an hour. Rinse and ring out. If traces of ink still remain, dip the sacks in Javelle water, and, without

rinsing, hang in the air for thirty minutes. Then rinse thoroughly to remove all traces of Javelle water. Javelle water can be made by boiling two tablespoons of sal soda in a quart of water for ten minutes and then adding two tablespoons of chloride of lime. Strain the solution before dipping the sacks into it.

MAKE YOUR OWN DUSTLESS DUSTERS

DUSTLESS dusters are designed to collect dust and remove it, rather than to brush it off one piece of furniture only to scatter it in the air or distribute it in other parts of the room. Dustless dusters may be purchased in various shapes, sizes, and materials, or they may be made easily at home. Cheesecloth, velveteen, or cotton flannel are all good materials to use in making them, and a ten-inch square is a good size.

To make such a duster, put one teaspoonful of any good furniture polish, and one tablespoonful each of kerosene and paraffin oil in a quart fruit jar. Shake the jar until the inside of it is thoroughly coated with the contents and then turn it on a saucer for the surplus liquid to drain. Put the square of cloth in the jar, cover it, and let it stand several days until the fabric has thoroughly absorbed the oily substance that was coated on the inside of the jar. A duster made this way both cleans and polishes. When it has been used until it no longer retains the dust it should be washed, dried, and given the same treatment again.

Another type of dustless duster may be made by saturating a cloth with kerosene and hanging it to dry in the open air until it no longer feels wet to the touch.

AN EASY MAKE-OVER FOR A WEE LAD



A MOST comfortable suit for wee lads from two to five years old. Being cut in four sections, it is particularly adapted to making over from partly worn garments.

For the four-year-old, one and one-eighth yards of 32-inch material is needed for the trousers and seven-eighths yard for the blouse. The price of this pattern is thirteen cents. Order by No. 3098 from the Pattern Department, Michigan Farmer, Detroit, Michigan.

Authority

Our Weekly Sermon—By N. A. McCune

THE authority of primitive peoples is physical. The Greeks had Hercules, the god of athletic games. He could do anything that required strength. The Hebrews had their Samson, and the book of Judges is merry with his playful exploits. In the earlier history of our country every community had its strong man who could out-wrestle, out-fight, out-ride anybody else. No doubt much of the success of our two favorite sons, Washington and Lincoln, was the fact that both were big men, who had been brought up out-of-doors, and were men of prowess.

Magical authority is likewise strong with mankind in its simpler stages.



The medicine man among the Indians, and the witch doctor in the African tribes are influential members of society; more influential than they deserve to be.

But the safest and most enduring sort of authority is moral and religious. It is impressive to note how far simple goodness will go, in influencing and molding the lives of men and women. When Tennyson wrote of Sir Galahad, who was called the perfect knight,

"My good blade carves the casques of men,

My tough lance thrusteth sure,
My strength is as the strength of ten
Because my heart is pure,"

he was writing more than pleasing rhyme. Athens was ruled by Aristides, who was called the Just. Martin Luther had no money, no influence at court, no powerful friends, or but few, when he took his stand for the truth, as he saw it. Yet his entire nation felt the impact of that stout heart, and its effects went out into the whole world. If you want to see an uncrowned king, look at Samuel. Another man was king, but Samuel was virtual king. The people believed in him, for his consistent life, his adherence to righteousness. He could rebuke the king and get away with it. Nathan was another. When Israel's most powerful king had committed a crime, this fearless man goes into his presence with a "Thou art the man," and the king trembles. That is moral authority, which is the child of a good life.

One night I attended a mass meeting in Boston. A distinguished evangelist had been holding meetings, and that night a procession of workers had paraded through the mean streets of Boston's poor and fallen, and had gathered in a host of the morally halt, blind, deaf, dumb, leprous, and paralyzed. For some reason the evangelist himself was not present when the meeting opened in Tremont Temple. Another speaker tried to hold the crowd. He shouted, waved his arms in the most approved oratorical manner, told stories of the fallen reclaimed. But few were interested. The meeting was going lamely. Presently the evangelist appeared, and everything changed. He spoke a few simple words, and the assembly sailed out on calmer and deeper seas. Moral authority.

This quality was manifest in Jesus in the highest degree of any character known to history. To this day, millions worship Him, would die for Him, yet He never had any authority but the spoken word which came from His own wonderful Self. His teaching was calm. He talked in conversational tones most of the time, if we read the New Testament aright. People thronged Him, not because He came from a great university where He was a professor, not because He held high political office, or had a string of degrees after His name, but because He was what He was. John said of Him, "In Him was life." That life was His authority.

Look at what happened in the temple. He was interfering with business, and a lucrative business. When a preacher does that today he is told to keep to the simple gospel. But Jesus drove them out, without police to help him, with no warrant from any officer of the law. I presume the hucksters and vendors in the temple did not know why they tumbled over themselves to get out.

This quality comes to those who in sincerity follow the Great Galilean. Not to the extent in which He possessed it, but to a definite degree. Moral authority is the only kind

that lasts. It can be cultivated.

SUNDAY SCHOOL LESSON FOR MAY 13

SUBJECT:—The Authority of Jesus.
Mark 11:1-33.
GOLDEN TEXT:—Zech. 9:9.

Once there was a little boy who lived in the city. While on a country visit he watched the hired man milk a cow. The next morning the cow disappeared. It had been stolen. The little boy was listening to the men talk about it. All of a sudden he peeped up and said, "It can't go because the hired man drained the crank-case last night."

News of the Week

The Island of Haiti is suffering from a scourge of spinal meningitis which has hitherto been unknown on the island.

The whole of the Balkan peninsula has been shaken by earthquakes, and marital law has been proclaimed in the quake districts to prevent looting.

Miss Elizabeth Williamson, of Kalamazoo, who recently announced that she was engaged to a 52-year old Japanese artist, stated the other day that she has broken the engagement.

Six to eight inches of snow fell in the fruit belt of Maryland, Virginia, and Pennsylvania late the week before last, causing considerable damage.

The Pennsylvania railroad's buying of the Lorée interests in Wabash and Lehigh Valley railroads will make possible another direct Detroit-to-New York route.

It is indicated that President Coolidge has accepted the elimination of the auto tax from the tax bill now under consideration.

Many prosperous towns in the Balkan region have been levelled by the recent earthquakes.

It is reported that a U. S. Mexico air mail service will open in about six months.

Over 26,000 more people are working in Detroit now than a year ago.

Charles A. Lindbergh flew the "Spirit of St. Louis" from St. Louis to Washington for its last flight. It will be given a place in the Smithsonian Institute as the most famous airplane in history. It has flown more than 40,000 miles.

Turkey has officially put its alphabet into discard and will use the alphabet used by other countries. Its former alphabet was Arabic while the present one comes from the Latin, as does ours.

A commercial air line has been established between Berlin and Paris. It is the longest non-stop route in Europe.

A cave near San Juan Nepomuceno, Mexico, was recently discovered containing the mummified bodies of one hundred people. They are supposed to have been imprisoned there during the Spanish conquest.

Gustav Wilkoski, of St. Paul, fifteen years old, broke the kite looping record making 300 loops in 6½ minutes.

In the recent French elections, Premier Poincaré gained considerable support and strength.

The Bremen fliers are expected in Detroit May 16th. Lindbergh and several other prominent fliers are also expected at that time.

The Chinese civilian officials are fleeing from Tsinan, the capitol of Shantung, because the Nationalist troops are within ten miles of the city.

The Nicaraguan rebels have blasted U. S. gold mines in northern Nicaragua.

REDUCED PRICES FOR MAY and JUNE

Genuine Tom Barron English White Leghorn, large type lapover combs, selected stock. Non-setting Barred Rocks, flocks headed by males whose dams have trapnest records, 206-236 M. S. C. laying contest.

White Leghorns	100	500
Barred Rocks	\$ 8.00	\$37.50
Circular free	10.00	47.50

HILLSIDE HATCHERY, R. No. 3, Holland, Mich.

CLASS A CHICKS AND PULLETS

Chicks at 5c up. No money down. 100% live delivery postpaid. Healthy, even sized, well developed pullets. We will have from 2 to 3,000 pullets ready to ship in June. All varieties. Write for low prices. BOS HATCHERY, R. 2 M., Zeeland, Mich.

RURAL



CHICKS

Breeding Stock

Rural "Gold Seal" Chicks are making a record of profit performance. Their story of abundant, large sized, pure white eggs, is boldly written in the bank books of our Customers.

Look at these facts squarely when considering the purchase of your baby chicks. Then place your order with Rural. These dependable layers will please you. We know they're Profit Producers, as do thousands of Rural Customers.

BUY AT THESE LOW PRICES

Hollywood Commercial Grade White Leghorns. We can also furnish Brown Leghorns and Anconas at the same price.

Pay Only ONE CENT Per Chick With Order. Pay Postman Balance On Delivery.

CHICKS

Lots of 100	.....	\$ 9.00
Lots of 500	.....	42.50
Lots of 1,000	.....	80.00
Assorted, per 100	.....	7.50
Assorted, per 500	.....	36.50

PULLETS

8 WEEKS and OLDER

Write for Prices on Healthy, Husky, Free Range Raised White Leghorn Pullets. For May, June, and July delivery.

RURAL POULTRY FARM, Box M-51, Zeeland, Mich.



CHICKS For May and June Delivery

Send for Circular and Prices All Stock Mich. Accredited

HOLLYWOOD WHITE LEGHORNS

Large Size Production Type, Egg Bred Leghorns. Known Layers and Profit Makers. Producing Large WHITE Eggs—Prolific WINTER Layers.

Don't be misled by Low Prices. Breeding Quality isn't found in inferior stock. Egg Production depends on high quality, egg bred birds with flock production such as our Leghorns have delivered for our customers. Remember—a couple extra eggs in Winter. MORE than pays the difference for the higher quality.

Pure HOLLYWOOD and HOLLYWOOD MATED LEGHORNS at Prices that are right.

BARRED ROCKS AND ANCONAS

Two very popular breeds of unusually good breeding quality. Michigan Accredited. A supply of Chicks from these hardy farm raised flocks is bound to please you. But the supply is limited. So order early for May and June delivery.

Remember. We guarantee live delivery and pay the postage. Will ship C. O. D. Write for Catalog.

Wingarden Farms & Hatchery, Box M, Zeeland, Mich.



All Michigan Accredited 500 S. C. White Leghorns Trapped on Our Own Farm. Finest Egg Strains. Largest Type Barred Rocks

Baby Chick Special

Years of breeding for higher egg production has placed Michigan Poultry Farm Stock on a high Standard of Quality.

Among 500 White Leghorns trapped on our own farm, a large part averaged 24 to 30 eggs monthly during the past winter.

Our Sheppard's Anconas and Holterman's Strain Barred Rocks are also of very best quality. Order SAFELY and CONFIDENTLY, direct from this Ad. We Guarantee 100% Live Delivery.

Pay Only \$1.00 Down. Balance C. O. D.

Barron and Tancred Foundation	100	200	500
S. C. White Leghorns	\$ 8.00	\$16.00	\$37.50
Trapnested Pure Hanson S. C. White Leghorns	13.00	26.00	62.50
Sheppard's Strain Anconas	8.00	16.00	37.50
Barred Plymouth Rocks	11.00	22.00	52.50
Broilers, Mixed	7.00	14.00	32.50

Michigan Hatchery & Poultry Farm, Box 2, Holland, Mich.

HIGHLAND LEGHORNS



Order your Leghorn Chicks now right from this ad. at these low prices. You can

get them C. O. D. Highland Leghorns are Production Leghorns having bloodlines of Tancred, Hollywood and Barron Strains. Every breeder carefully selected for size, type and egg production. Mated to males of 200-300 egg pedigreed ancestry.

Order at These Low Prices - C. O. D.

Prices Effective May 1st

50	100	300	500	1000
\$5.00	\$9.00	\$26.25	\$42.50	\$80.00

Just send \$1.00 and we will ship your Chicks C.O.D. You can pay the balance when they arrive. Of course we guarantee 100% live delivery. Our new free catalog is ready.

Write for it today.

HIGHLAND POULTRY FARM, R. 9, Box C, HOLLAND, MICHIGAN

WASHTENAW Baby Chicks

10 FREE CHICKS

PER HUNDRED If You Order Right NOW.

We are going to make some new friends this spring by giving them a bargain. The above offer holds good as long as we have chicks. Send your order right now. These are our first class, pure-bred, Michigan Accredited Chicks. Write today.

English White Leghorns	\$4.75	\$ 9.00	\$26.25	\$ 80.00
Barred Rocks, S. C. & R. C. R. I. Reds	6.00	11.00	52.50	100.00
White Wyandottes, Wh. Rocks	7.00	13.00	65.00	120.00
Grade White Leghorns	7.00	13.00	65.00	120.00

Mixed Chicks. (when we have them) \$9.00 per 100. We have been producing high class poultry for 10 years and our chicks are the result of most careful breeding. You will not be disappointed. Write today.

WASHTENAW HATCHERY,

2501 GEDDES ROAD,

ANN ARBOR, MICHIGAN

HOLLAND HATCHERY

WE SHIP C. O. D.

You need not pay for Holland Hatchery Chicks until they arrive. Just send us \$1.00 down and we will ship C. O. D. for the balance. Holland Hatchery Chicks prove their worth by actual test right in the hands of our customers. Fred S. Donald of Oxford, Michigan, writes: "this makes the 16th consecutive year I have ordered chicks from you and never received a bum lot." You too can have this kind of satisfaction if you will get some of Holland Hatchery Michigan Accredited Chicks. See These Low Prices

Wh Leghorns (Eng. type)	100	500	1,000
Wh. Leghorns (Special Mated)	\$10.00	\$47.50	\$90.00
S. C. Mottled Anconas	12.00	57.50	110.00
Barred Rocks	10.00	47.50	90.00
Mixed Chicks \$7.50 per 100	14.00	65.00	120.00

Of course, we guarantee 100% live delivery and will stand squarely behind every shipment. You will find the chicks pure-bred and exactly as represented. Every chick is Michigan Accredited and comes to you under the label of the Michigan State Poultry Improvement Association. Buy Holland Hatchery Michigan Accredited Chicks this year. Our free catalog tells all about them.

Holland Hatchery & Poultry Farm Van Appleton Bros. Holland, Mich. R 7C

BABY CHICKS AT WHOLESALE PRICES

From 3 proven breeds. Bred 31 years for higher egg production. Direct from the farm to your door. From some of Michigan's best producing flocks. Why look for cheap break neck prices when you can get something better at a trifle higher price. From a Reliable Breeder of pure bred, large-bodied birds with big combs, free from disease, that lay large white eggs when prices are high.

Barron, Hollywood, Reliable & Ream Strain	per 50	per 100	per 200	per 500	per 1,000
S. C. White Leghorns	\$5.00	\$9.50	\$18.50	\$42.50	\$85.00
Sheppard Strain S. C. Anconas	5.00	9.50	18.50	42.50	85.00
Rose Comb White Wyandotte Evergreen Strain	7.00	14.00	27.50	68.00	
Broilers or Mixed Chicks	4.50	8.00	15.75	38.00	74.00

Send your order direct from this advertisement and save time. If you want White Leghorn or Ancona Pullets or yearling hens, write for prices.

A special discount of 5% on all orders received 30 days or more in advance. 1 cent per chick with order, balance 10 days before chicks are to be shipped or we will ship balance C. O. D. 100% live delivery guaranteed. Postpaid. Write for our 1928 catalog, it's free and instructive. Reference Zealand State Bank.

Reliable Poultry Farm & Hatchery, R. 1, Box 42, Zeeland, Michigan

PROFIT PRODUCING CHICKS

Special Summer Prices

Egg prices are steadily advancing. Market poultry is fast increasing in price. Right now is your opportunity to make good money raising Brummer-Fredrickson quality chicks at the low prices given below. Choose your breed and write or wire your order. We will ship C. O. D. All chicks are Michigan Accredited. We also have a good selection of 8, 10, and 12-week-old pullets in the breeds listed below. Write for our low prices.

S. C. White Leghorns	50	100	500	1,000
Barred Rocks—R. I. Reds	\$5.00	\$9.00	\$42.50	\$80.00
Broilers, all heavies, \$9.00 per 100; 500 for \$42.50. Mixed Broilers, \$8.00 per 100; 500 for \$37.50	6.00	11.00	52.50	102.50

Will Ship C. O. D. 100% Live Delivery Guaranteed.

Pay your postman when you get your chicks. Just write or wire your order. We have large hatches each week and can fill large orders promptly. Write for free catalog that describes our special matings.

Brummer & Fredrickson Poultry Farm, Box 20, Holland, Michigan

Town Line Poultry Farm

Hollywood and Tancred Strains and English Type, S. C. White Leghorns

Also Brown Leghorns, Anconas and Barred Plymouth Rocks

Now at Lowest Prices ever quoted on Town Line Chicks. There is a limit to the price at which good chicks can be produced. We have reduced our prices to that limit. Don't buy until you get our latest summer prices.

All chicks from large type Production Bred Birds. All Michigan Accredited. Every bird in our breeding flocks has been individually banded. All inspected by an authorized inspector. FREE CATALOG tells how we hatch, breed, cull, inspect, and raise our stock. Tells what to feed and how to be successful. Full instructions on the Care of Baby Chicks. A genuine Poultry Guide. Write for it.

TOWNLINE POULTRY FARM, Route 1, Box 207, ZEELAND, MICHIGAN

PULLETS NOW READY



We will have thousands of 8 & 10 wks. White Leghorn Pullets for May, June & July delivery. We specialize on White Leghorns only. Pullets that will develop in a large type laying strain. Write for prices. Special prices on chicks after May 15

	100	500	1,000
S. C. White Leghorns	\$9.00	\$42.50	\$80
Special Mating, old hens only	10.00	47.50	90
Barred Rocks	13.00	62.50	120
Mixed Chicks	6.00		

10 a chick books your order. 100% live delivery guaranteed.

Village View Poultry Farm, Zeeland, Mich., R. 3
Box 2. Harry Ter Haar, Owner



WOLF SELECTED CHICKS

CHICKS C. O. D. send only \$1.00 and pay postman the balance.

Special pen mated and extra high bred chicks at slightly higher prices.

S. C. Wh., Br. and Buff Leghorns	25	50	100	500	1,000
S. C. M. Anconas	\$2.25	\$4.25	\$8.00	\$38.00	\$75.00
S. C. B. Minorcas, Barred & Wh. Rocks					
R. & S. C. R. I. Reds	2.50	5.00	10.00	48.00	95.00
Wh. Wyandottes, Buff Orpingtons	3.00	5.00	11.00	52.00	100.00
Jersey Black Giants	4.25	8.00	16.00	75.00	145.00
Assorted Heavy Mixed	2.75	4.50	8.50	42.00	80.00
Assorted Odds and Ends	2.00	4.00	7.00	34.00	68.00

For Quality Prices Add 3c Per Chick to these prices. Pullets 6 wks. 50c each—8 wks. at 75c each. WOLF HATCHING & BREEDING COMPANY, Box 42, GIBSONBURG, OHIO.

CHICKS At Reduced Prices. Strong, Sturdy, Pure Bred Chicks for Immediate Delivery

S. C. White Leghorns	50	100	500	1,000
S. C. Brown Leghorns & S. C. Anconas	\$5.00	\$9.00	\$42.50	\$80.00
Barred Rocks and R. I. Reds	6.00	11.00	52.50	102.50
Mixed Chicks for Broilers	4.00	7.00	35.00	70.00

JUNE delivery. 1c Per Chick Less Than Above Prices

Shipped Postpaid to your door. 100% Live Delivery Guaranteed. Order direct from this ad. We have no Catalog or Circular.

Black River Poultry Farm, Box M, Zeeland, Michigan

REDUCED PRICES ON PURE BRED BABY CHICKS

Prepaid Prices for	25	50	100	200	500	1,000
Large Type White Leghorns	\$2.75	\$5.00	\$9.50	\$19.00	\$45.00	\$85.00
Black Minorcas, White and Barred Rocks, Single and Rose Comb Reds	3.00	5.50	10.50	21.00	50.00	95.00
White and Sil. Wyandottes, Buff Orpingtons	3.00	5.75	11.00	22.00	52.50	100.00
S. S. Hamburgs, 14c. Assorted Light, 7c., Light and heavy, 8c., Heavy, 9c.						

Live Delivery Guaranteed. Order from this ad or send for Catalog and Price List.

THE LANTZ HATCHERY BOX D TIFFIN, OHIO

Where's Jim's Banjo?

Circumstantial Evidence Almost Convicts

By Francis Flood

JIM'S banjo is missing—what is worse, he believes I stole it. A nice kind of a partner to have on a motorcycle trip across Africa! And that's what we both think, too. This story really began six years ago in the Canadian National Park when I had inveigled a girl from Medicine Hat into going to the movies with me. The plot developed rapidly that same evening when my partner Jim, curly-headed imp of impulse that he is, stole our car and made the young lady and myself walk home. (At least, I think he stole it.) And now, like the candy wheel at the county fair, where the story will stop, nobody knows.

Nothing remarkable of course that I had a date—six years ago, before I was married. Nor that every girl in the crowd, one by one, had highbatted my partner Jim, for there is a difference between him and me. For instance, I've been married for three years and he's not even been engaged that long—at least not to the same girl. There's a difference somewhere—both of us agree on that.

Can't you see poor Jim skulking alone in his tent that night cursing the Canadian maidens who had turned him down and brooding over the fact

a banjo is quite another thing. Somehow I didn't like the idea of limping back on a camel from somewhere in the edge of the Sahara Desert with a couple of broken down motorcycles and only the satisfaction that we'd had good music while it lasted.

HONESTLY, wouldn't you have been tempted to steal it yourself? So was I—tempted.

We were so loaded down with luggage on our doughty little one-lunged motorbikes that when we arrived at Kano, with 3,000 miles more to go, we'd already bent one side car chassis and broken three side car springs, to say nothing of a rear axle, a part of the main frame, a bundle carrier, six spokes, and a record for slow traveling. We were nearly broke ourselves from paying repair bills. But on top of all our mass of luggage rode the inevitable big banjo in its huge leather case. There it perched with a perfectly insufferable air of smug conceit as if to challenge, "Just try and get rid of me."

We were also carrying a small folding banjo that someone had given Jim. (I was glad it wasn't a bass drum or a piano for he would have



Jim Traded One Banjo to a Hausa Trader for a Homespun Tablecloth.

that he'd been born with more of a way with machinery than with the maidens. At any rate, when my girl and I came out of the motion picture theater that evening our old jitney, the original Oscar II, had been stolen, and we had a long, long walk home.

The Royal Canadian Mounted Police turned out the whole force, on motorcycles, horseback, and in autos, to find the missing Oscar, but I'll always believe Jim stole it. He insists that a man would be a fool to steal his own car. Another case where we agree!

And now Jim believes I stole his banjo!

IT'S stolen, and I'm glad of it but a man would be a fool to steal a banjo when he can't play it, wouldn't he? And a bigger fool if he could. I'm glad it's gone. I'm even glad Jim thinks I stole it for he thus gives me credit for a revenge that is six years old. I have all the satisfaction of actually having stolen it and yet he can't be angry with me because he isn't certain that I'm guilty. If I admit I did not steal it I lose the credit and satisfaction. If I admit I did he would be as mad as a hatter himself.

Since Jim will read this when it's published I can't say here whether I stole his banjo or not. I'll simply state what actually happened and you may draw your own conclusions. From the evidence there's no cause to suspect me except that it would be the logical thing for me to do for any number of good reasons.

One cannot carry all the comforts of home when trekking across equatorial Africa on a motorcycle and so why try to crowd in some of the discomforts as well?

We had trimmed down our complement of clothing until the only way we could change clothes was to change with each other. And this for a four months' trip through the black heart of Africa itself! Despite all the warnings against black scorpions, white ants, ticks, sand flies, snakes, and malarial chills we gave up the comfort of our light folding bed and slept on the ground for months in order to lighten our load—by less than the weight of the banjo. After fighting a rearing, bucking motorbike all day or pushing it through miles of loose, hot sand a soft bed is one thing to look forward to, and soft music on

carried it just the same.) I suggested that we ship the big banjo around to the east coast of Africa to wait for us there and, big hearted, recommended carrying the small one with us. But Jim insisted that while the little one was all right to fold up it was no good to play. His solution was to sell it to a Hausa trader, one of those black sharpers of northern Nigeria who know more about shrewd bargaining and sharp trading than the eleven tribes of Israel, if there were that many.

That same afternoon one of these whiskered Hausamen, black and smooth as a barrel of crude oil, appeared on our east house porch in Kano. He squatted on the white caloused soles of his bare feet amid his collection of leather pillows, bright native baskets, and other clever creations in brass and grass, and Jim began his banjo palaver.

"Change-change for one cloth," countered the black Hausa slicker when Jim suggested that he buy the toy banjo. "You give six shilly me."

"Your brother he try sell me same cloth one time six shillings," I protested, knowing there was a nigger in the woodpile as well as the porch. As a matter of fact he hadn't, but since these Machiavellian tricksters pretend to no honesty themselves they naturally believe no one else. So I'd really not been guilty of any deception whatever.

AFTER indulging him in his favorite sport of bargaining for half an hour we finally gave the small banjo and one shilling to the Hausa trader for a piece of native cloth that had probably come from Manchester. He saw the big banjo and wanted it for another shilling, but Jim laughed at him.

"You draw me paper for banjo," demanded the trader after the deal was made. "Paper he say police me no steal banjo."

Without this guarantee of title the banjo would probably be considered by the police as stolen property, and so Jim wrote the following memorandum on a sheet of notebook paper and handed it to the Hausaman: "I have sold one banjo to Ahmed Abdullah Gombo. Jim Wilson."

And the next day when we returned to the rest house from a visit to town the big banjo was gone!

(Continued on page 665)

White Diarrhea

Splendid Success of Mrs. Ethel Rhoades in Preventing White Diarrhea

Mrs. Rhoades' letter will no doubt be of utmost interest to poultry raisers who have had serious losses from White Diarrhea. We will let Mrs. Rhoades tell it in her own words:

"Dear Sir: I see reports of so many losing their little chicks with White Diarrhea, so thought I would tell my experience. My first incubator chicks when but a few days old, began to die by the dozens with White Diarrhea. I tried different remedies and was about discouraged with the chicken business. Finally, I sent to the Walker Remedy Co., Dept. 512, Waterloo, Ia., for a \$1.00 box of their Walko White Diarrhea Remedy. It's just the only thing for this terrible disease. We raised 700 thrifty, healthy chicks and never lost a single chick after the first dose."—Mrs. Ethel Rhoades, Shenandoah, Iowa.

Cause of White Diarrhea

White Diarrhea is caused by microscopic organisms which multiply with great rapidity in the intestines of diseased birds and enormous numbers are discharged with the droppings. Readers are warned to beware of White Diarrhea. Don't wait until it kills half your chicks. Take the "stitch in time that saves nine." Remember, there is scarcely a hatch without some infected chicks. Don't let these few infect your entire flock. Prevent it. Give Walko in all drinking water for the first two weeks and you won't lose one chick where you lost hundreds before. These letters prove it:

Never Lost a Single Chick

Mrs. L. L. Tam, Burnetts Creek, Ind., writes: "I have lost my share of chicks from White Diarrhea. Finally I sent for two packages of Walko. I raised over 500 chicks and I never lost a single chick from White Diarrhea. Walko not only prevents White Diarrhea, but it gives the chicks strength and vigor; they develop quicker and feather earlier."

Never Lost One After First Dose

Mrs. C. M. Bradshaw writes: "I used to lose a great many chicks from White Diarrhea, tried many remedies and was about discouraged. As a last resort I sent to the Walker Remedy Co., Dept. 512 Waterloo, Iowa, for their Walko White Diarrhea Remedy. I used two 50c packages, raised 300 White Wyandottes and never lost one or had one sick after giving the medicine and my chickens are larger and healthier than ever before. I have found this company thoroughly reliable and always get the remedy by return mail."—Mrs. C. M. Bradshaw, Beaconsfield, Iowa.

You Run No Risk

We will send Walko White Diarrhea Remedy entirely at our risk—postage prepaid—so you can see for yourself what a wonder-working remedy it is for White Diarrhea in baby chicks. So you can prove—as thousands have proven—that it will stop your losses and double, treble, even quadruple your profits. Send 50c for package of Walko or (\$1.00 for extra large box)—give it in all drinking water and watch results. You'll find you won't lose one chick where you lost dozens before. It's a positive fact. You run no risk. We guarantee to refund your money promptly if you don't find it the greatest little chick saver you ever used. The Pioneer National Bank, the oldest and strongest bank in Waterloo, Iowa, stands back of our guarantee.

Walker Remedy Co., Dept. 512 Waterloo, Iowa.

LET US SAVE YOU \$5.00

On every 100 Banded Plymouth Rock Baby Chicks—Save \$3.00 on each 100 S. C. White Leghorns. All of our chicks are highest quality. Michigan Accredited. HERE IS YOUR OPPORTUNITY TO SAVE. Are You Going To? "Save Money" Price List Effective May 1st:

	100	500	1,000
B. P. Rocks	\$12.00	\$57.00	\$110
S. C. Reds	12.00	57.00	110
S. C. White Leghorns	10.00	47.50	90

THE CARLETON HATCHERY, Carleton, Mich.

SEND NO MONEY for SILVER CHICKS

We ship C. O. D. and guarantee 100 per cent live delivery. Wh. and Br. Leghorns, 8c; Buff Leghorns, 10c; Ed. Rocks, Wh. Rocks, S. C. Reds, Blt. Min., 10c; Buff Rocks, Buff Opr., Wh. Wyand., Wh. and Buff Minorcas, S. C. Reds, 11c; Light Brahmas, 14c; Mixed 7c; Heavy Mixed 8c. Orders for 50 chicks one cent more, 25 chicks two cents more per chick. White Pekin Ducklings 20c. Silver Lake Egg Farm, Box M, Silver Lake, Indiana

White Leghorns hens and males now half price. Thousands of eight-week-old pullets. Also baby chicks and eggs. Trapped, pedigreed foundation stock, age bred 25 years. Winners at 20 egg contests. Catalog and special price bulletin free. I ship C. O. D. and guarantee satisfaction. George B. Ferris, 934 Union, Grand Rapids, Mich.

FEEDS TO GET EGGS

IT isn't only Michigan babies who have to down cod liver oil in our dark winter time; now the chickens are coming in for a dose of it. In the babies, it prevents the rickets; in the hens, it prevents them from lying down on the job of laying eggs.

This is no dream. Eugene Lowrey, with his chicken flock of 250 White Leghorns on a farm three miles west of Stanton, Montcalm County, has proved it. He feeds cod liver oil as a regular ration, in the proportion of one quart per week to every 100 hens. Even as early as February first, he was getting 125 eggs a day; and he has found a good market through the parcel post in Detroit—at first through friends who took back a crate of day-old eggs, and then told their neighbors, until now his market has grown to satisfactory proportions.

This is the routine:

5 A. M.—6 quarts of wheat.

6:30—Ration of 2½ quarts of buttermilk. Green cabbage or kale.

8:30—4 quarts of sunflower seed.

11:00—Wet mash, consisting of equal parts of rolled oats, bran, meat scraps, moistened with buttermilk, and mixed with the daily ration of cod liver oil.

1:30 P. M.—Buttermilk. Chopped mangel (a kind of beet).

5:30—One peck of shelled corn.

There is dry mash in the hopper all the time, plenty of dry wheat-straw litter, and fresh water daily. If the temperature gets as low as thirty-three degrees, a fire is put in the hen-house stove, and allowed to bring up the heat only as high as forty degrees.

Mr. Lowrey, who has long been accounted as one of the most successful and enterprising farmers in the townships about Stanton, has sold all but forty acres of his big farm, and gone into intensive chicken farming. He says that if he had it to do over again, he would rather raise hens than cattle or hogs, both for profit and pleasure.

—Lillian M. Cullum.

BABY CHICK SHORTAGE PROBABLE

APPARENTLY hatcherymen started out with heavy hatches in the early part of the year. The market was flooded, surpluses began to develop and hatcherymen began to get panicky. Many were very badly discouraged over their showing for the first three months of the year and cut their settings down fifty per cent or more in order to avoid further overproduction.

The chick buyer, however, remembered that he probably tried to raise too many broilers the previous year. He also remembered that in the latter part of the season, chick prices dropped materially. The natural consequence was that in 1928 chick buyers refused to send in early orders for chicks. The great majority of them were waiting until April and later to put in their orders because by that time the weather would be settled, possibilities of loss smaller and poultry prospects better stabilized.

Now, however, poultry raisers all through the country are coming in with demands for chicks, and in many places an actual shortage exists. Of course, hatcherymen can respond to this condition to a certain degree and increase their production but the chances are that serious shortages will develop. We would advise anyone who is intending to buy chicks to get their order in just as soon as possible in order to avoid disappointments. The egg supply is fair, but, of course, it decreases somewhat as the season goes on and hatcherymen might find it difficult to get high quality eggs. Prompt ordering of chicks now should be borne in mind by every poultry raiser.—Geo. E. Bomberger.

"More Chicks Will Be Chickens"

Make it live ~ and pay

THE test of life or death for every chick occurs during the first few weeks after hatching. Every normal chick raised to maturity will amply repay the effort. Avoid double loss of egg production and loss of chicks by death, by feeding



Ryde's
STARTRITE

CHICK FOOD
WITH BUTTERMILK

One pound of Ryde's Startrite Chick Food will raise a baby chick well past the danger period. It is a natural, safe food made from choicest granular grains, hulled oats, selected whole seeds with natural oil retained, special meat scraps and a liberal portion of dried buttermilk. These are all necessary to rapid uniform growth. Easy to feed and economical; best results are had by feeding it dry from the hopper. A good

foundation, robust health is vitally important at the start. Make sure that "More Chicks will be Chickens" and insure poultry profits at maturity. Complete feeding directions with every bag. Your local dealer has Ryde's "Startrite" Chick Food in 25, 50 and 100-lb. bags. If not on hand, write us. Satisfaction guaranteed.

Use Ryde's "Hav-To-Grow" Chick Mash for rapid, uniform growth after the first few weeks. Combines the best growing feeds correctly balanced with necessary minerals. Makes broilers or layers in double quick time. At your dealer's in 25, 50 and 100-lb. bags.

"Make Them Lay." Ryde's "Hav-To-Lay" Egg Mash with Buttermilk supplies egg-making elements for greater egg production in one convenient, unequaled food. Contains choicest materials—not a by-product. Economical to feed. Guaranteed.

FREE Children and grownups alike say the Ryde Chick Game is the best ever! This interesting and instructive game, including play board, spinner and model chicks, will be sent *Free* (worth 75c) upon receipt of your name and address. Include 10c to pay postage and packing. Address Ryde and Co., Mfrs., 5434 W. Roosevelt Road, Chicago, Ill.

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Pioneer Leghorns

Pure Barron Strain

These big rugged Leghorns are well adapted for heavy egg production. Our catalog shows pedigrees of our pen imported direct from England. The males in this pen were out of a 298 egg hen that layed eggs weighing 30 ounces to the dozen and were sired by a 301 egg male. The females' records range from 259 to 271. Many males direct from this pen now head our matings.

REDUCED PRICES

For Week of May 21.....	\$10.00 per 100	Our AA Grade is 1c per chick higher
For Week of May 28.....	9.00 per 100	
Month of June.....	8.00 per 100	

You can order direct from this ad. We will ship C. O. D. on receipt of small deposit. 100% live delivery guaranteed. All stock Michigan Accredited.
PIONEER POULTRY FARM, R. R. 10, Box 10, Holland, Mich

HUNDERMAN CHICKS

New Low Prices C. O. D.

Our pure bred chicks from Michigan Accredited stock can now be brought at prices lower than usual. We will ship C. O. D. on receipt of a 10% deposit. All stock has been fed Cod liver oil during the past winter. Order your chicks right now from this ad. Ref. State Commercial Savings Bank.

PRICES MAY 21 AND THEREAFTER

	25	50	100	500	1,000
English type S. C. White Leghorns and Brown Leghorns, heavy type	\$2.25	\$4.75	\$9.00	\$42.50	\$80.00
Barred Rocks and S. C. Reds	3.25	6.00	11.00	50.00	95.00
Mixed Chicks \$7.00; Heavy Mixed \$9.00					

100% live delivery guaranteed. Our free catalog tells all about our special matings at slightly higher prices. It is time to order your Pullets now. Get our latest prices.

Hunderman Bros., R. R. 3, Box 50, Zeeland, Mich.

SALE OF MAY CHICKS

We can ship any time you want them. Order direct at the following Sale Prices:

	100	500	1,000
White Leghorns	\$ 8.00	\$39.00	\$ 78.00
Brown Leghorns or Anconas	8.00	39.00	78.00
Barred Rocks or Rhode Island Reds	12.00	59.00	118.00
Assorted, for Broilers (Light)	7.00	35.00	

100% Live Arrival Guaranteed

Pay Only \$1.00 Down. Pay balance when your chicks are delivered. We pay postage to customer's door. All Chicks from carefully culled stock. Reference, Peoples State Bank. Send your order to

SHADY GROVE CHICKERY, Box M-52, Holland, Michigan

MICHIGAN ACCREDITED CHICKS

BARGAIN PRICES FOR MAY DELIVERY

From large, heavy, carefully selected free range birds. Good winter layers.

	Per 100	200	500		Per 100	200	500
White Leghorns	\$ 8.50	\$16.50	\$40	Assorted Heavy	9.00	18.00	
Brown Leghorns, Anconas	8.50	16.50	40	Assorted Heavy & Light	8.00		
Barred Rocks, S. C. B. L. Reds	10.50	21.00	50	Assorted Light	7.00	13.00	

For delivery before May first—chicks are \$2.00 per 100 higher than prices quoted above. Order from this ad today. Save time and money. 100% live postpaid delivery. Write for free catalog.

HILLVIEW HATCHERY, C. BOVEN, Prop., HOLLAND, Mich., R. 8, Box M

SILVER WARD SELECT CHICKS

ROCK BOTTOM PRICES

Never before have you been offered a better value in chicks than you are here. Read these low prices and realize that here is an unusual buy. You get Michigan accredited chicks which means every breeder is approved by specialists under supervision of Mich. State Poul. Im. Ass'n. You get 100% live delivery, postpaid. You get prompt shipment. You get low prices. And of greatest value of all, you get that famous Silver Ward Quality which means so much in poultry profits. Will ship C. O. D. if you desire. We can also offer splendid 8-10 week old pullets at very reasonable prices, of the same high quality.

LOW CHICK PRICES—DELIVERY MAY 21—C. O. D.

EXTRA SELECTED	25	50	100	500	1000
Production Bred					
S. C. White Leghorns; Anconas	\$3.00	\$5.50	\$10.00	\$45.00	\$90.00
STANDARD HEAVY LAYING					
Big Type White Leghorns					
S. C. Anconas	2.75	5.00	9.00	42.50	80.00
Selected Brood-to-Lay Barred Rocks	3.75	7.00	13.00	62.50	120.00
Assorted Broiler Chicks, all breeds	2.15	4.00	7.00	35.00	70.00

You can order right now from this ad and save time. Wire your order and we will ship at once. We refer you to the Zeeland State Bank—a Member of International Baby Chick Association. Start now with some of these famous money-makers. You can never do it cheaper than now. We will send you a large free catalog that tells you the whole story of Silver Ward if you wish. It will be a great help to you. SILVER WARD HATCHERY Box 29 ZEELAND, MICHIGAN

ROYAL EGG BRED CHICKS

75% OF OUR SALES EACH YEAR ARE TO OLD CUSTOMERS

Hanson - - Tancred - - English

Remember, that Royal Leghorns are Contest winning Leghorns—and that you get in our chicks, exactly the same bloodlines that have produced these winners. Our demand from old customers was never so great as it has been this year.

SPECIAL PRICES FOR JUNE 1st, 7th

	50	100	500	1000
A Mating	\$5.50	\$11.00	\$55.00	\$105.00
B Mating	4.50	9.00	45.00	85.00
Broiler Chicks 6c each.				

Order direct from this ad at the above prices. We guarantee 100% live delivery and we know you will be pleased. Circular fully describing sent free. Reference—Zeeland State Commercial & Savings Bank. ROYAL HATCHERY & FARMS, S. P. Wiersma, Prop., R. 2 Box M ZEELAND, MICH.

CHICK PRICES REDUCED

All Breeders, Michigan Accredited, Blood-Tested for 4 Years

PRICES FOR MAY

	100	500	1000
Barred Plymouth Rocks, "AA"	\$13.00	\$60.00	\$120.00
Barred Plymouth Rocks, "A"	12.00	55.00	110.00
S. C. White Leghorns, "AA"	11.00	50.00	100.00
S. C. White Leghorns, "A"	10.00	45.00	90.00
Barred Plymouth Rocks, "AAA", (Canadian R. O. P. Matings)			
(202 to 252 eggs)	15.00	70.00	140.00
S. C. White Leghorns, "AAA", (Eng. & Tancred Matings)			
(218 to 300 eggs)	13.00	60.00	120.00

100% live delivery guaranteed by prepaid mail. Any deposit books your order, send it today. JUNE PRICE—One cent per chick less.

Siler Hatchery, Box A, Dundee, Mich.

1000 CHICKS ON HAND

Can ship at once at reduced prices
Barred, White and Buff Rocks, Reds, Bl. Minorcas 13½c, White Silver Laced Wyandottes, Buff Orpingtons, 15c. White, Brown, Buff Leghorns, Anconas, 11½c. Light Brahmans 18c. Heavy Broilers, 11c. Light mixed 9c. Grade "AA" chicks 5c per chick extra. If less than 100 ordered add 50c extra. After May 17th 2½c per chick less. WE GUARANTEE THESE CHICKS TO-SATISFY! Send for

Free Catalog of Chicks from R. O. P. Male Matings

BREEDING STOCK, PULLETS, 3 WEEKS OLD CHIX

LAWRENCE HATCHERY

Tel. 72525

GRAND RAPIDS, MICH.

DUNDEE MICHIGAN ACCREDITED CHICKS

STOCK ALL BLOODTESTED FOR WHITE DIARRHEA FOR THE PAST FOUR YEARS.

New low prices from May 10th to June 1st. 1c per chick less after June 1st.

	100	500	1000
B. P. Rocks (Pedigree Mating 200 to 256)	\$13.00	\$60.00	\$120.00
B. P. Rocks (Selected Grade)	12.00	55.00	110.00
S. C. White Leghorns (Tancred & Hollywood Mating 230 to 291)	11.00	50.00	100.00
S. C. White Leghorns (Dundee English Mating Pedigree 200 to 230)	10.00	45.00	90.00

Order direct from this ad or write for catalog. 100% live delivery guaranteed. Buy bloodtested and Michigan Accredited stock this season and be pleased.

DUNDEE HATCHERY & POULTRY FARMS

DUNDEE, MICHIGAN

Babion's Pure Bred Chicks

Trapnested Matings add 3c; Blue Ribbon Pens add 4c Each.

	25	50	100	500
100% Live Delivery guaranteed and Postage paid on				
White, Brown and Buff Leghorns	\$2.50	\$4.50	\$8.00	\$38.00
Brd., Wh. & Bl. Rocks, Minorcas, Anconas, Wh. Wyandottes and Reds	2.75	5.50	10.00	48.00
Silver Wyandottes and Orpingtons	4.25	8.00	15.00	72.00
Mixed all heavy Broilers, No Culls	2.75	5.00	9.00	43.00

BABION'S FRUIT AND POULTRY FARMS

Lock Box 354-C

Flint, Michigan

QUALITY BREEDING COUNTS IN EGG PRODUCTION

FAIRVIEW Pure Bred Chicks and Pullets are Michigan Accredited, Big Type Leghorns, Originated from the Barron Strain. Official Records 200 to 251 eggs.

S. C. White Leghorns R. I. Reds White and Barred Rocks

BIG DISCOUNT NOW!

Pay one dollar down and the balance C. O. D. on arrival. We guarantee satisfaction. FREE 1928 CATALOG tells the story and gives approved methods by which our breeding produces high quality chicks from rich egg-bred blood lines. Write for Catalog and our Live and Let Live Prices.

FAIRVIEW HATCHERY & FARMS,

Box M,

ZEELAND, MICH.

TOM BARRON STRAIN S. C. WHITE LEGHORNS—Michigan Accredited.

Large type birds, with large, lopped combs, the kind that lay the large, white eggs. Mated for six years to males with pedigrees of 200 to 300 eggs.

We ship only strong, vigorous chicks, that will live, grow, lay and pay. We guarantee 100% live delivery prepaid to you.

Send today for our 1928 Catalog.

JAMESTOWN HATCHERY

Box M

Jamestown, Mich.

OUR BOYS AND GIRLS

The Meaning of Mother

Some Merry Circle Sentiments

SHE who labored in the shadows of the valley of death to give me the life I hold so dear—who is she? She's my Mother. She's my best friend, my everything and my all.

There is no other who can instill in my heart a sincere desire to rise and become the person, loved and respected, she expects me to become.

At whose side do I kneel at evening and pour forth the trials, joys, and sorrows of the day?

When darkness falls and I am far away, I halt in my homeward course and ask myself, "Why should I go home? What is there for me?"

"Mother's there," my heart answers unhesitatingly and my feet take up the words.

Oh, that I might probe the mystery



A Michigan Mother and Her Family

that clothes Mother Love and keeps it secure from curiosity seekers!

Mother gave me life and moulded my life thus far—now she gives me her tools and says I must finish the work.

She asks no price for her work and her smile causes me to scorn the tawdriness of gold. There is but one path to follow, so with God helping me, I'll be what she wants me to be.—The Wanderer.

Death took our dear Mother when I was two years, and my brother only three weeks old. It was very sad. Little brother Jack was given to mother's parents to be cared for, and Dad and I went to live with his folks. For a year it was that. Then Mother came to us.

She was a younger sister of our own Mother—age, sixteen—and she gave up a great deal for us. One more year would have seen her through high school, but she quit, for our sake—so that the family could be united. Her career was ruined—(she had planned to become a teacher)—just so that Jack and I could spend our childhood together. Is it any wonder that we appreciate her?

Ten long years have slipped happily by since Mother came to us. In the meantime, she has given us a very sweet little sister, who is now six years old, and a darling baby brother, who came last May.

Mother is leaving nothing undone. She is giving us the best of training, and helping us to grow up to be good citizens. Her patience is unexhaustible; her cheer and kindness are contagious, and the hearts that love her are warmed by her very presence. With Dad's cooperation, she is making a great success of the unselfish task that she has undertaken.

During the time that is to come, her great love will always guide me on the path I am destined to follow. I shall ever be thankful to God for the wonderful Mother He has given me to love and appreciate.—Ruth Irene Burkett.

How many unfortunate children there are that have had to guide themselves from childhood, never knowing what Mother love really is, never feeling Mother's gentle caressing hand, and soothing words of comfort.

I was just at the age when I most needed a Mother, her guidance and advice when God, in all His wisdom and righteousness, called her away to a better, brighter home. I was left—as I've since thought—alone. I have kept house for father and my brothers—but what is home without a

Mother? Only those feel the emptiness and her absence that have lost their Mothers. It seems haunted and lonely—at times makes you frightened and your innermost desires are to go away—far to forget.

As each year, has worn on I have more deliberately considered my great loss. But with the help of a stronger power I have done my best to go straight along the rough and tedious path, to some day join her and share her eternal happiness.—Martha E. Kolhmainen.

The thought of Mother presents to my mind a picture which has, from my early childhood, proved a source of inspiration.

A young Mother is reclining in a large chair. In her arms is a tiny infant, its innocent features relaxed in peaceful slumber. Kneeling beside the chair is a little child gazing worshipfully into the smiling features of the Mother, its lips parted, as if to speak, but its emotions are expressed only by the calm radiance of its smile. Below the picture is printed in small letter, the harmonizing adage, "What is Home Without a Mother?"

My home would not be the cheerful place it is if my Mother was absent from it. I find it hard to express what she really means to me. She is the only companion I have ever had who has remained loyal to me at all times. She has sought for the best in me, and has overlooked my faults; she has encouraged me on through darkness, invigorating my broken spirits by her unflinching trust in me and doing exactly the things that God made Mothers for.

I cannot estimate her value, for it is an ever increasing power, which shall reach no limit as long as life remains.

My greatest success is but a minor tribute to her whose life, to me, has been an inspiration; whose memory a benediction.—Zola Marsh.

MY MOTHER

Mother, whose heart is as pure as gold,
Mother, whose hand has cared for me,
Has brought me into this world,
From the stage of infancy.
Her tender care, her cheering words,
I often seek again in vain,
But I'd give my life and all I own,
To see that dear old soul again.
Who is there like a Mother?
Who is there here that will
Care for, and love her children
And give them a Mother's care?
She will live for us,
Cry for us, die for us,
To keep us from all sin.
She will do her best to save our lives



Here is Tom Marshall, Alias Mary Brabic, M. C. and G. C.

When evil things enter in.
Many dreary years ago,
Her dear soul passed away,
And left her husband and children,
To lead through life's long way.
But, Oh, Lord! just care for her
And guide our feet from sin,
And some day open the gates for us,
And let us enter in.—Verna Soper.

This was written by Verna Soper shortly after her Mother's death.

MIXED WORD CONTEST

HERE is a good quotation that will be of value to all of us if we remember it. In order to impress it more thoroughly on our minds, I have mixed the letters in the words and am asking you to straighten them out.

On your contest paper write only your solution of the contest, your name and address in the upper left hand corner, and M. C. after your name if you are a Merry Circler. Write your letter on a separate paper.

All the correct papers will be mixed together and ten lucky ones pulled out. These will be given mystery prizes. All who have correct papers and are not now M. C.'s will be made Merry Circlers. Send your papers to Uncle Frank before May 18th.

Here is the mixed quotation:
A puratitōne rof ogdo mudgenjt for afir leading, rof rtuht, nad rof directute si iselft a torefun.—Ehcheer.

LETTER BOX

Dear Uncle:

I'm coming! Don't run! Please, because I want you to answer a question for me. I have read the page for ever and ever so long, but never thought of writing until now.

We move from one place to another. I knew the girls well at the other school, then I came to this school and the girls do not want to make friends (that is, some of them do not). What shall I do? I have been as good to them as I can be. What shall I do? I would have some pretty swell times down at school if it was not for those girls.—Emily B.

Just use patience and kindness but be not too soliticious for friendship. Instead, let friendship come to you because of your own good qualities. If there be clannishness on the part of others, it is to their discredit. Sometimes the hardest friendships to make become the best ones.

Dear Uncle Frank:

Have you begun to think your niece down in Quincy has forgotten all

about her Uncle Frank? Well, I haven't and you wouldn't think so either if you could see me on the morning when we get the Michigan Farmer. I wait anxiously for the mailman to come. Then as soon as he does, I get the mail, reserve the Michigan Farmer for myself and turn right to Our Page. I have been a M. C. for about five years now and have found Our Page growing more interesting all the time.

I am one of the ten members of the Railroad Club which Christine Zeck started. We all enjoy it very much and I'm sure the other M. C.'s would too. If any of the other M. C.'s wanted to start a Railroad Club, I'm sure Christine or any of the other members would give them instructions for the club. I'd be glad to give instructions for it to anyone who cared to start one and would write to me.—Lena Houck.

It is good to know that you have such an interest in us. I am glad to know that you are in the Railroad Club. Others ought to start similar ones.

Dear Uncle Frank:

May I drift dreamily into your column and spend a few moments in blissful reverie? For, Uncle Frank, I am a dreamer. I love the quiet hours of solitude in which I can commune with Dame Nature and think without disturbance; when I can feel the deep passion of the whistling winds, and the peaceful stillness of the flowing brook. And I love the country, a place for dreamers. As long as I can wander to the deep depths of the forest, along the grassy shores of the murmuring brook, on the highest hills, and in beautiful valleys where daisies grow; as long as I can know the joy of country life, I will be happy.

What do I care for worldly things? Trouble, sorrow, and sin. Why look for these when a better future is in store? Why not fill our hearts with passionate desires and heart-rending melodies? For a dreamer's life is the happiest life and the dreams of youth are the best. And a dreamer can, in the end, make his life the real life and something to be remembered in the hearts of his fellowmen forever. Now, Uncle Frank, my dreams are

not mere day dreams, not dreams to be scoffed at, for I can really descend from my enrapturing state of thought and life with my feet on the ground. Perhaps you do not understand me. Lots of people cannot. But now I will drift out of your page just as I drifted in—with a heart full of love and appreciation for the members and for Uncle Frank, too.—Dream Poet.

Yes, Dream Girl that I believe you are, life itself is a dream—but to some a nightmare. And why? I believe because they are affected too much by material things. Dream again and when you dream, write us.

SUMMER CONTEST

MOST of the replies received in this contest indicate that the young folks are going to work on the farm helping their parents this

summer. Interspersed with work will be little pleasure and recreation trips. I think that is a nice way to spend the summer. Some of the prize-winning papers will be published next week. Following are the names of the winners:

Fountain Pens

Zola M. Marsh, Box 313, Kingsley.
Joe Horvath, R. 2, Brown City.

Dictionaries

Lilly Tervo, Chassell, Michigan.
Amy Cole, Matchwood, Michigan.
Franklin Diamond, R. 2, Box 74, Alpena, Michigan.

Clutch Pencils

Dagmar Bykkonen, Lock Box 105, Dollar Bay, Michigan.

Allie Irene Luopa, R. 2, Box 22, Iron River, Michigan.

Vivian Meadsker, Gaylord, Mich.
Elizabeth Thiebaut, Mantou, Mich.
Franklin Willard, Luther, Michigan.

WOLVERINE S.C. WHITE LEGHORN BABY CHICKS

100% SAFE ARRIVAL GUARANTEED MICHIGAN ACCREDITED

SPECIAL JUNE PRICES

Order Direct from this ad. to Save Time, or Send for Catalog.

Just tell us when you want your chicks. We Guarantee Prompt Delivery.

	50	100	500	10%
Grade A. Mating. Choice, selected females mated to males from known egg record ancestry	\$6.75	\$12.60	\$60.75	These Prices are 10% Below Our Regular List
Grade B. Mating. Selected hens mated to males from Special Cockerel Matings	5.40	9.90	47.25	

Send \$1.00 for Each 100 Chicks Ordered. Pay Postmaster Balance When Chicks Arrive

100% Safe Arrival Guaranteed. We Pay the Postage Have You Tried Wolverine Leghorns?

Wolverine Leghorns have large lopped combs; big, deep bodies; are uniform in size and type; and produce quantities of large, white eggs in winter when egg prices are high. Satisfied customers everywhere endorse Wolverine Baby Chicks.



Bred for Size, Type and Egg Production Since 1910

All breeders accredited by Michigan State College and Michigan Poultry Improvement Association. Don't buy any other chicks until you have our new 1928 catalog explaining our matings in detail and how you can have greatest success with poultry. Write for copy, it's FREE.

WOLVERINE HATCHERY & FARMS

H. P. WIERSMA, Owner,

DEPT. 3,

ZEELAND, MICH.

Common Poultry Diseases

X—Coccidiosis

THIS disease is common in chicks from two weeks to four months of age. Although it attacks older chickens and other domestic and wild fowls, it rarely causes great losses except in cases of chicks between the above ages.

The disease is caused by a protizoon parasite which especially attacks the mucous membranes of the ceca, or blind pouches of the intestines. Healthy birds contract the disease by eating food or drinking water contaminated with infected droppings. Adult birds sometimes carry the parasite in their bodies and young stock may contract the disease from contact with adult droppings. The germ remains alive in the ground for a considerable length of time, especially if moisture is available. Therefore pools of water frequently may be sources of infection.

Symptoms—The common indications are listlessness, paleness, ruffled feathers, and a white exudate in the eye. The appetite is generally poor but sometimes ravenous, and the droppings are white, greenish, brown, and frequently bloody. The brownish or bloody droppings are quite suggestive of coccidiosis.

Internal indications are small red spots on the mucous membranes of the blind pouches of the intestines. They may be distended with either a hard or soft mass. On opening these blind pouches, or ceca, one will find the contents bloody or a grayish cheesy matter spotted with blood. It is difficult to diagnose this disease as the symptoms resemble those of other diseases. Microscopic examination of fresh intestinal contents is the only accurate way to determine the trouble.

Treatment—There are several treatments recommended. One consists of giving the birds powdered catechu at the rate of one-third teaspoonful to a gallon of water. Keep this before the birds at all times. As the catechu is constipating, give the birds a dose of epsom salts about every ten days, using one pound of the salts to six quarts of drinking water.

Milk in some forms has proven effective in the control of this disease. Sour milk seems to be the most beneficial and should be kept before the chicks at all times. Dried milk may be used if the regular sour milk is not available. Some use two pounds of condensed buttermilk in two gallons of water and have found that it produced results.

Prevention—As with other diseases, prevention is the most important factor.

Chicks should be raised away from adult fowls and on clean, uncontaminated ground which should be free of stagnant pools of water. One should not raise chicks for two years on ground previously occupied by birds having coccidiosis.

The feeding and drinking utensils should be kept clean and so made that the contents cannot be contaminated by droppings.

Thorough cleaning and disinfection of the brooder and pens is essential in minimizing the infection.

When a chick shows an abnormal condition it should be separated from others immediately, and be sure that the healthy ones are kept in an uncontaminated place.

Sanitation is the chief factor in the control of this disease as well as in many others.

Next week—Brood Pneumonia.

ONE MILLION "GOOD LUCK" QUALITY CHICKS

LEADING BREEDS - LOWEST PRICES!



Big, Beautiful, Colored Art Book FREE

Thousands of pleased customers again testify in 1927 to the wonderful quality of our Inspected "GOOD LUCK" Chicks. Our Beautiful Art Book shows many of our "GOOD LUCK" fowls in their natural colors and is really a work of art. The book also contains many letters from all parts of the country endorsing "GOOD LUCK" Chicks, and these will interest you. Nearly all leading varieties are included in our Catalog. 100% Live Delivery Guaranteed.

REDUCED ROCK BOTTOM PRICES

Varieties	25	50	100	500	1,000
Wh., Buff., & S. C. & R. C. Br. Leghorns, Anconas.....	\$2.50	\$4.75	\$9.00	\$42.00	\$80.00
Barred & Wh. Rocks, S. C. & R. C. Reds.....	3.25	6.00	11.50	52.00	100.00
Blk. Minorcas, Wh. & Buff Orps., Wh. Wyandottes.....	3.75	7.00	13.50	62.00	120.00
Wh. & Buff Minorcas.....	4.00	8.00	15.00	72.00	140.00

Assorted Light, \$8.00 per 100 straight. Assorted Heavy, \$9.50 per 100 straight. We can also supply you QUALITY and SPECIAL QUALITY "GOOD LUCK" CHICKS at slightly higher prices that will surely please and prove highly profitable. Bank Reference. Member of International B. C. A. Don't fail to order our BIG ART BOOK today. It will be a treat for you. NEUHAUSER HATCHERIES, Dept. 90, Napoleon, Ohio.



DILIGENT CHICKS DID IT and will do it for you.

Still a few folders left, ask for one and read the unsolicited testimonials from our customers who have done well with DILIGENT CHICKS. One farmer in our neighborhood who keeps about 400 DILIGENT hens received a check of \$50.10 for eggs laid in one week from April 21 up to April 28. Ten week old pullets \$85.00 per hundred.

Postpaid prices on Chicks	50	100	200	500
S. C. White Leghorns.....	\$4.25	\$8.00	\$15.50	\$37.50
Barred Plymouth Rocks.....	5.25	10.00	19.50	47.50
S. C. Rhode Island Reds.....	5.25	10.00	19.50	47.50
Mixed Chicks (All heavy).....	4.75	9.00	17.50	42.50
Mixed Chicks (Light).....	3.75	7.00	13.50	32.50

DILIGENT HATCHERY AND POULTRY FARM

Harm J. Knoll, Owner, R. R. No. 4 HOLLAND, MICHIGAN

CHICKS From Record of Performance Male Matings

Selected Chicks at reduced Prices. Can ship at once. White, Barred, Buff Rocks, Reds, White, Black, Buff Minorcas 12c. White or Silver Wyandottes, White, Buff, Orpingtons, Black, White Langshans 14c. Large Brahmas, Jersey Black Giants 16c. White, Brown, Buff Leghorns, Anconas, heavy mixed 9c. Light Mixed 7c. CHICKS FROM RECORD OF PERFORMANCE PEDIGREED MALE MATINGS up to 316 egg record. Every female in these matings is mated to an OFFICIAL TRAPNEST PEDIGREED MALE. Barred, White Rocks, Single or Rose Comb Reds, White Wyandottes, Black Minorcas, Buff Orpingtons 17c. White, Brown Leghorns, Anconas 14c. 5c per chick with order, balance C. O. D. If less than 100 ordered add 40c extra. Free catalog of R. O. P. Male Matings, Breeding Stock, Pullets, 3 weeks old chick, \$2.00 on hand. June 20th to July 30th—1c per chick less.

BECKMANN HATCHERY, Phone 76761, Grand Rapids, Michigan



RELIABLE CHICKS

ORDER AT THESE PRICES

Reliable chicks develop into heavy winter layers that make big profits. Every chick is hatched from pure bred carefully selected stock.	50	100	500	1,000
Heavy Strain S. C. White Leghorns.....	\$4.50	\$8.00	\$40.00	\$80.00
Ed. Rocks, R. I. Reds.....	5.50	10.00	50.00	100.00
Assorted Chicks (no nulls).....	4.50	8.50	30.00	55.00

We guarantee 100% live delivery. You can depend on Reliable Hatchery Chicks. RELIABLE HATCHERY, 22 East Seventeenth St., Holland, Mich.

Spread lime! Sweeten soil!!

GET BIG CROPS - BIG PROFITS



Sold by

LOCAL DEALERS

Solvay Pulverized Limestone is helping thousands of farmers to get more from their land. Solvay is produced in only one grade—there is no second best—every bag, every bulk ton is ground to the same fineness. No effort is spared to make Solvay of greatest benefit to the farmer.

Solvay produces results the first year—and its good effects accumulate from year to year. Spread Solvay this year—it's high test, furnace dried, safe—will not burn.

Write for the Solvay Lime Book.
THE SOLVAY SALES CORPORATION
DETROIT, MICH.

Complete Dispersal

RED ROSE GUERNSEYS

Property of F. B. Ainger, Jr., Detroit
NORTHVILLE, MICHIGAN (At the Fair Grounds)

Friday, May 18, 1928 12:30 p. m. Eastern Standard Time

80 HEAD REGISTERED GUERNSEYS 80

Including—

Cows, Bred Heifers, Heifer Calves, Serviceable and Younger Bulls.
A PROVEN SIRE INCLUDED.

In the herd are 3 full sisters and a full brother of Norman's Missaukee Red Rose 89724 A. R. who holds one World's Record with 900.7 lbs. butter-fat (Class C) and second high two year old of the breed in Class GG with a record of 760.7 lbs. butter-fat.

There are also 2 full sisters and the dam of Missaukee Blue Bell Jane 174479 A. R. who holds the present World's Record for a two year old of the breed with 824.3 lbs. butter-fat (Class G), and several half sisters (out of the same dam).

58 animals in this sale are directly related to the only bull of any Dairy breed whose daughters hold three (3) World's records simultaneously. Many of the cows have A. R. Records. This is your opportunity to buy the blood which has produced World Record Cows.

Herd under State and Federal Supervision
(Never a reactor on the farm)

Satisfactory Hotel accommodations at the Mayflower Hotel, Plymouth.
For further information and catalogs, address

MICHIGAN GUERNSEY BREEDERS' ASSOCIATION, Sale Manager
Box 1018 EAST LANSING, MICHIGAN

REGISTERED

Guernseys at Auction

Fourth Annual Consignment Sale
Michigan Guernsey Breeders' Association
East Lansing, Michigan

FRIDAY, MAY 25, 1928

Michigan State College Livestock Pavilion—12:30 P. M., E. S. T.

In the offering are 20 A. R. and C. T. A. record cows (all fresh or springing), 30 in-calf heifers (bred for summer and early fall freshening), 10 heifer calves, and 4 young bulls. All of the usual high standard of

TYPE - PRODUCTION - HEALTH

For Catalogs Address

Michigan Guernsey Breeders' Ass'n, Box 1018C, East Lansing, Mich.

BREEDERS' DIRECTORY

CATTLE

Change Copy or Cancellations must reach us
Twelve Days before date of publication.

Forest Hill Guernseys

FOR SALE—Heifer calf and bull calves from 7 to 18 months old. All carry the blood of World Champions. M. HOMPE, R. E. Grand Rapids, Mich.

I Have a Number of attractive Guernsey bull calves for sale at reasonable prices. FRANK E. ROBSON, Box 56-A, R. F. D. No. 3, Ann Arbor, Michigan.

GUERNSEYS either sex, whose sires' dams have official records of 15-109.10 milk, 778.80 fat, 19,460.50 milk, 909.05 fat. T. V. HICKS, Battle Creek, Mich., R. 1.

FOR practically pure-bred GUERNSEY or HOLSTEIN calves, from heavy, rich milkers, write EDGEWOOD DAIRY FARMS, Whitewater, Wis.

Guernsey Dairy Heifer Calves, practically pure bred \$25.00 each. We ship C. O. D. Write L. Terwilliger, Watonsville, Wis.

Livestock AND DAIRYING

HOW A SHIAWASSEE FARMER DEHORNS CATTLE

AFTER reading Stanley Powell's letter in the last issue of the Michigan Farmer, I would like to state some of my experiences in dehorning cattle, extending over a period of twenty years.

Have had the job done with various kinds of saws, and with clippers manipulated in various ways, and have used the caustic on the calves.

We have a man in the neighborhood who does this kind of work in a manner that suits me the best of anyone I can get and he proceeds as follows:

The animal is secured in a specially



On This Farm the Dairy Business Has the Cooperation of the Whole Family

built portable stall so the head cannot be moved and the animal cannot injure itself in any way.

He uses a saw like a large butcher's saw, cutting about one-half inch of the hair, and with a circular cut, running deeper in the middle.

There are only two veins in, or near, the rims of each horn, and these are tied with a horse hair about three inches long, after the horn has been removed.

The last job here consisted of sixteen head, and of the thirty-two wounds, only one superated. A bull, two years old, was among the lot and when his head had healed, there was simply a scar about one-half inch wide and three inches long, where each horn had been.

No horns ever reappear when the job is done in this way, and it can be done any time after the horns are one-half inch long. Many times not enough blood is lost to soil the hair on the side of the head. No horn is ever crushed as is sometimes the case with clippers and I am convinced from observation that the operation is not followed by pain as is the case when caustic is used. I believe the removal of the horns a humane practice but believe also, that it should be done in the most humane way possible.—B. W. M.

WILL SEEK WAYS OF GETTING BETTER PASTURES

DEMONSTRATIONS in the improvement of farm pastures are being started on the farms of G. S. Felt and Leo Riggs in Kent County. They are in charge of M. D. Weldon of the soils department at M. S. C. Applications of lime, phosphates, and nitrates alone and in combination with potash will be made on half acre lots.

Too little returns are obtained from many farm pastures. This work is started to find the best way of improving these pasture lands.—K. V.

OFFER \$100 AWARD FOR FIFTH YEAR

THE Michigan Association of Creamery Owners and Managers meeting at the Dairy Building, Michigan State College, April 24, confirmed the setting aside of the sum of \$100 as an award for the cow testers' contest among the Michigan testers working on dairy herd improvement associations. This is the fifth year that this award is being made.

The purpose is to stimulate the Michigan testers in drawing up a story of their findings and a listing of results and accomplishments during the year.

The award will be made during Farmers' Week at Michigan State College in 1929.

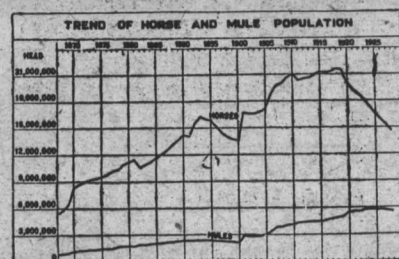
Mr. K. L. McKinnon, secretary of the Michigan Creamery Owners and Managers Association, stated that they were wholeheartedly in favor of supporting the herd improvement work and realized the value of the results that Michigan cow testers are helping bring to dairy farmers.

SUMMARY OF TESTING ACTIVITIES FOR MARCH

AMONG the ninety-eight associations operating during March, Livingston County, Holstein Center, is credited with the high association record for the state. This dairy herd improvement association with 259 cows tested and twenty-eight dry averaged 36.49 pounds fat per cow.

Tony McCaul, owner of seven pure-bred Holsteins and member in the Ionia-South Herd Improvement Association, is credited with the high herd, averaging 56.72 pounds fat and 1,664 pounds milk. A retest was run on this herd.

The Detroit Creamery, Macomb County D. H. I. A., possesses the high individual cow. This cow, a pure-bred



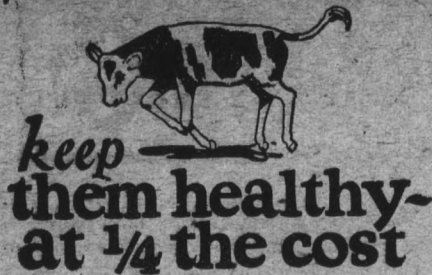
Holstein under official test and retested, made 2,325 pounds milk and 116 pounds butter-fat.

All cows under test reported for the state showed 27.19 pounds fat produced among 20,176 cows.

Association work started up again in Alpena and Midland Counties and a new association was formed in Sanilac County. This county now has three associations operating. Associations that closed a year of testing work and are continuing to test are: Macomb No. 3, St. Clair No. 1, Genesee-Otisville, Washtenaw-Ypsilanti, Alcona, St. Joe, and Kent-North.

N. P. Hull of Lansing, president of the Michigan Milk Producers Association, is also president of the National Dairy Union which is now fighting hard to amend the oleo law to include the so-called nut products and cooking compounds now sold freely on the market without paying tax.

The price of all milk delivered to Detroit during April will be paid on the basis of \$2.77 for 3.5 milk.



Keep them healthy at 1/4 the cost

SAVE 3/4 on calf feeding cost and raise or veal healthy, profitable calves. Feed Jersey Milk Food—no digestive troubles—no scours—a real milk food that takes the place of whole milk and saves you 80% of the feed cost.

JERSEE MILK FOOD

Costs 80% less to feed than milk. Mix Jersey with water or skim milk and raise or veal calves at a cost of only \$2.75 for six weeks.

Write for details of FREE Calf Feeding Fall Offer at your dealers.

Make big profit on calves and on the whole milk or butterfat you sell. Give Jersey Milk Food a trial. Feed a bag and if results are not satisfactory, your money will be cheerfully refunded.

THE JERSEE COMPANY

327 Third Ave. North

Minneapolis, Minn.



BEE HIVES

Sections, Comb Foundation, Smokers, Etc.

Everything for the bees. General agents for Root's bee supplies. Send for our 1928 catalog.

BERRY SUPPLIES



A grade quart baskets. 200 baskets postpaid to points within 150 miles of Lansing for \$2.25. 500 baskets postpaid within same limit for \$3.95. Send for price list for them in lots of one or more thousand by freight or express. Special low rates in lots of 10,000 to 50,000.

M. H. HUNT & SON, Box 525, Lansing, Mich.

Holmes, Stuve Co., 2429 Riopelle St.

Commission Merchants. Dressed Beef, Hogs, calves, poultry, Live & Dressed. Provisions, etc. Correspondence Solicited. Ref. Wayne County & Home Savings Bank. Bradstreet. Detroit, Mich. Cherry 7654.

WOOL BLANKETS—and Colonial Coverlets. Send SATISF— us your wool and we will ROBES— make beautiful, serviceable products that will give satisfaction both in possession and the service they render. We sell direct. Write for catalog and samples. **WEST UNITY WOOLEN MILLS**, 109 Lynn St. WEST UNITY, OHIO.

CATTLE

Dispersal Sale of Reg. Holsteins

WEDNESDAY, MAY 23, Twelve O'clock
2 herd sires 10 bred heifers
2 young bulls 15 yearling heifers
41 cows in milk 12 heifer calves
Ormsby, Ons and Hengerveld Defol breeding. Heavy producers; good types; fifteen years of breeding Holsteins.
J. E. BURROUGHS, Flint, Mich., eight miles south on Fenton Road, one mile west on Cook Road.
J. E. Mack and Geo. Eaton, Auctioneers. Guy Dodge with Pedigrees

SERVICEABLE AGE Registered Holstein

Bull Calves at prices the owner of a small herd can afford to pay. Grandsons of K. P. O. P. Bred cows and heifers are available for foundation stock.

RED ROSE FARMS DAIRY

Northville, Michigan

Reference: Northville State Savings Bank

Registered Jersey Bull

Sire Oxford Majesty's Shyluck, a proven sire with daughters producing over 500 lbs. fat, C. T. A. Dam: Royal Lass Susan produced 442.2 lbs. fat at 3 yrs. of age C. T. A. This bull is very typy, solid color, 18 months of age. J. L. Carter, Lake Odessa, Mich.

BUTTER BRED JERSEY BULLS FOR SALE
CRYSTAL SPRING STOCK FARM,
Silver Creek, Allegan County, Michigan

Hereford Cows and Steers

Few bunches Hereford cows showing good breeding. Some bunches heavy springers and calves by side. Some bunches backward springers. Also few 3 yr. old heifers with calf. Also Angus cows. All are T. B. tested. Also short yearlings, yearlings, and 2 yr. old feeding steers. The above are all sorted even in size, age and quality. Will sell your choice from any bunch. Some bunches shorthorns.

VAN S. BALDWIN, Eldon, Iowa

A HEREFORD BULL Profitable Investment

Raise your high priced feeders instead of buying them. Have several good young bulls ready for service for sale now. Glad to show you our cattle any time.

Harwood Hereford Farms, Ionia, Mich. Tel. 7118 F. 4.

FOR SALE Two 2-yr. old Brown Swiss heifers, bred to freshen next fall. Price \$500.00. A. A. FELDKAMP, Manchester, Mich.

Fire Losses on Farms Amazing

(Continued from page 642)

slashings, and the accumulation of a variety of materials both indoors and outside.

If the various storage rooms, feeding alleys, bins, corn cribs, and other places about the buildings are kept picked up and in order and are free from trash that will readily ignite, allow twenty points.

If care is exercised to thoroughly cure hay to avoid spontaneous combustion in the mow, and if for the same reason, care is exercised in handling linseed and cotton seed meals, and old oily clothes and waste material, which should always be kept in a covered metal container, then allow fifteen points.

If the premises outside the buildings are kept tidy, well picked up, all rubbish piled a safe distance from the buildings, brush and other material burned in a safe place in the morning or evening when chances of fire spreading are at a minimum; and if the state laws with respect to the setting of fires during dry periods are

the shrewd Ahmed Gombo, armed as he was with a certificate of banjo ownership probably stole the instrument while we were gone. He would keep it hidden until we left town and then send it down country, with the signed bill of sale, to be sold. A good piece of business.

"It's undoubtedly Ahmed," decided Captain Rickard of the northern Nigeria police when Jim called him out of bed to report the theft. "We'll get your blinkin' banjo and push it along to you at Khartoum."

Jim's theory is that I had previously connived with Captain Rickard before stealing the banjo so that the bristling British captain wouldn't throw the rest house watchman in irons (for he was a good old blacker) and all the Hausa traders into jail. If I did I was at least more thoughtful than Jim was six years ago when he stole the car. That theft caused the entire Royal Mounted force a whole night of activity and worry.

WITH one black boy slipping a business-like service belt over Captain Rickard's shoulders and another pulling on his boots, the sputtering captain called in a native detective and spoke as excitedly and rapidly as an Englishman can speak. But he spoke in Hausa. I don't know—and neither does Jim—whether he was ordering the arrest and immediate execution of Ahmed Gombo or simply telling the detective to keep goats off the compound grass.

And that is that. We haven't reached the Red Sea yet—and maybe never shall—so we don't know (or at least Jim doesn't) whether the captain found the culprit and the banjo or not. Jim doesn't know whether his partner is a thief, and I'm just as much in the dark about mine. I wish he would tell but he won't—and I wish I could tell you but I can't. The main thing is that we no longer have the banjo out here in our struggle with the sand and bush and the long dry reaches of desert waste on the edge of the Sahara.

Jim will probably plan to get even with me some way. He usually does. But if he's going to steal I only hope he doesn't take my gallon can of drinking water. That's the most precious thing we have out here in the desert now. It's usually warm and the color of bad tea. We sometimes have to scrape off the scum and settle the dirt with alum and then boil it before drinking but—well, I hope he doesn't steal my good old oil can of water out here in the desert. If he gets even in some other way I'll tell you about it, but if he steals my drinking water I'll never live to tell you. And neither will he.

Kano, the most interesting city I've ever visited in my life will be described next week.

FED LAMBS REACH \$18.50

FED lamb prices reached a new high of \$18.50 on the Chicago market during the last week, with shorn lambs up to \$17.25 and choice California spring lambs at \$19.50. The season has worked out much more favorably than expected at the turn of the year, as numbers available for slaughter have been no larger than in 1927, whereas numbers on feed on January 1 pointed to a substantial increase. Tardy arrival of the California spring lamb crop helped to make a strong price situation.

HOG MARKET HAS SETBACK

RECEIPTS of hogs increased gradually during the last three weeks and eastern shipping orders on midwestern markets fell off sharply. These changes finally turned prices downward. At the high point of the bulge, the Chicago top reached \$10.65 compared with \$8.15 at the low point last February, but it has dropped back to \$10 again.

Fix Up Alfalfa Fields

POOR alfalfa fields can be improved. Many fields this year have suffered from heaving, due to freezing and thawing, or from a covering of ice during the winter. Go over old fields with the spring-tooth harrow. Drill fields where plants are too thin at the rate of eight or ten pounds of seed per acre. This can be drilled over the entire area or just over the bad spots. Run the culti-packer over the entire field. This compresses the soil about the roots and enables many plants to survive that otherwise would die.

strictly conformed to allow twenty points.

If "No Smoking" signs are posted in all buildings outside the dwelling, allow fifteen points.

Matches—50 Points

Where double dipped matches are used instead of the "parlor matches" and kept in metal boxes or earthen jars and out of reach of children and mice, give twenty-five points.

If all persons regularly on the premises who carry matches do so in metal match boxes to prevent loose matches dropping from the pocket to be lit by the action of a boot or horse's foot, to avoid dropping matches in grain or hay and exposed to lighting by the threshing machine or hay bailer, and if the users of matches practice breaking the stalk of the match after lighting and before throwing away, allow twenty-five points.

Fire Fighting Equipment—75 Points

If fire extinguishers are provided and constantly kept in order, according to the directions of the manufacturer, and located in accessible places, give twenty points.

If a good ladder of sufficient length to reach the highest roof on the premises is kept in a definite easily-reached place, allow fifteen points.

If tanks and cisterns are advantageously located to furnish a supply of water for fire-fighting, and if a water pressure system and sufficient hose are available to reach the main buildings, allow fifteen points.

If the owner or tenant is a member of a local fire-fighting association, allow twenty-five points.

WHERE'S JIM'S BANJO?

(Continued from page 660)

Now it seems reasonable to me that



Look for this Trade Mark,

Accept no other. Experience has proven its efficiency in veterinary and human ailments as a liniment, counter-irritant or blister. Penetrating, soothing and healing. All druggists or direct.

LAWRENCE-WILLIAMS CO.

Established 50 years
Sole Proprietors and Distributors
CLEVELAND, OHIO

WHY NOT start in Brown Swiss now? Write for sales list to Michigan Brown Swiss Breeders' Assn., Sebawaing, Mich.

SHORTHORN BULLS For Sale Choice breeding and individuals. Write or phone. O. K. CASTLE, North Branch, Mich.

HOGS

Duroc Spring Pigs

Registered in purchaser's name. Pairs not related. Also service boars and bred gilts.

Lakefield Farms, Clarkston, Mich.

FOR SALE—Duroc Gilts of type and quality, bred to High Orion No. 285227. Also a few spring boars at right prices. Shipped C. O. D. on approval. W. E. BARTLEY, Alma, Mich.

O. I. C's. good gilts to farrow in April and May. Last fall pigs and this spring pigs. OTTO SCHULZE & SONS, Nashville, Mich.

For Sale—Reg. O. I. C. April & May Pigs best of breeding. Shipped on approval. FRED W. KENNEDY & SONS, R. I. Chelsea, Mich.

CHESTER WHITES. One Sept. and one Oct. boar. Also good Sept. gilt. Will sell cheap. NEWMAN'S STOCK FARM, Mariette, Mich.

Large Type Poland Chinas

Fall pigs ready to ship, sired by my two great herd boars, L's. Big Wonder, by Slevier's Smooth Wonder and Big Stratton by The Redeemer, and from my best sows. Priced reasonable. W. E. LIVINGSTON, Parma, Mich.

Big Type Poland Chinas

Size plus quality and bred that way. Choice gilts bred to Redeemer's Son or The Robber's Son, for April farrow. Choice fall pigs, either sex. We specialize in hard foundation stock. WESLEY HITE, Ionia, Mich.

Large Type Poland China bred gilts, also weanling pigs. Priced reasonable. JAMES G. TAYLOR, Belding, Mich.

Large Type Poland China Hogs registered. J. A. HUFF, Kiskadee, Mich.

FOR SALE Hampshires, fall gilts, spring pigs, real typy. Best of breeding. J. P. SPITLER & SON, Henderson, Mich., R. I.

SHEEP

S H E E P

A few loads of fine wool and half blood ewes, bred for April and May lambs. LINCOLN & BRADLEY, North Lewisburg, Ohio.

HORSES

Percheron Breeders Attention

The Percheron Stallion Celtic 166084 will be at Elm Grove Farm the coming spring. Will be pleased to have parties having good mares, pedigree or grade, look this horse over. Mares from a distance can be kept on pasture. Charge is reasonable. J. G. MCCLURE, Merrill, Mich.

FOR SALE Percheron Stallions, well bred and good individuals. J. F. STOLLER & SON, R. F. D. No. 4, Gallon, Ohio.

TRY a Michigan Farmer Classified Liner. It will help you dispose of your real estate or some miscellaneous article. It will help you find that extra help you may need. Michigan Farmer Liners get big results.

LAST CALL For The 6th State Sale REGISTERED HOLSTEINS

TUESDAY, MAY 22, 1928

MICHIGAN STATE COLLEGE

Sale Starts at Noon Eastern Standard Time

Michigan Holstein-Friesian Ass'n

J. G. HAYS, Sale Manager, EAST LANSING, MICH.

Please Bring Your Catalog



THE LATEST MARKET REPORT



GRAIN QUOTATIONS.

Monday May 7, 1928

Wheat.

Detroit—No. 2 red at \$2.07; No. 2 white \$2.06; No. 2 mixed at \$2.06.
Chicago—May \$1.59%; July \$1.60; September \$1.58%.
Toledo—Wheat, No. 2 red at \$2.06 @ \$2.07.

Corn.

Detroit—No. 2 yellow \$1.19; No. 3 yellow \$1.16; No. 4 yellow \$1.13.
Chicago—May \$1.08%; July \$1.11%; September \$1.11%.

Oats.

Detroit—No. 2 Michigan 76c; No. 3 white 74c; heavy oats 2c premium.
Chicago—May 64c; July, old 57½c; new 58½c; September, new, 48½c.

Rye.

Detroit—No. 2, \$1.46.
Chicago—May \$1.37; July \$1.32%; September \$1.21%.
Toledo—\$1.47.

Beans.

New York—Pea domestic at \$9.75 @ \$10.25; red kidneys \$8.50 @ \$9.25 to the wholesalers.

Barley.

Detroit—Malting \$1.07; Feeding \$1.02

Seeds.

Detroit domestic seed—Cash clover \$16.50; October \$17.60; December \$17.60; cash alsike \$15.00; timothy at \$2.20; May \$2.20; December \$2.70.

Hay.

Detroit—No. 1 timothy at \$12.00 @ \$13.00; standard \$11.00 @ \$12.00; No. 2 timothy \$9.00 @ \$10.00; No. 1 light clover, mixed \$12 @ \$13; No. 1 clover \$10.50 @ \$11.50; wheat and oat straw \$10.00 @ \$11.00; rye straw \$11.00 @ \$12.00 alfalfa hay No. 2 to close at Chicago \$20.00 @ \$35.00.

Feeds.

Detroit—Winter wheat bran at \$47; spring wheat bran at \$46; standard middling at \$46; fancy middling at \$50; cracked corn at \$48; coarse corn meal \$46; chop \$43 per ton in carlots. Poultry feeds with grit \$52.00; without grit \$56.00 per ton.

WHEAT.

After advancing to a new high level for the season and going more than 40 cents above the February low spot, wheat prices broke over 15 cents in the last week with a strong rally at the close. Speculative buying, attracted by reports of severe damage to the new crop, made the market highly unstable, hence the sharp reaction when the dry area in the west and southwest was partially relieved. About 26 per cent of the planted acreage of winter wheat was abandoned, according to unofficial estimates, compared with only 8.4 per cent a year ago and a ten-year abandonment of 10.5 per cent. The growing condition of the crop on May 1 was estimated at 75.4 per cent of normal compared with 85.6 last year and a ten-year average of 85. A crop of about 470 million bushels is indicated compared with the forecast of 594 million bushels a year ago and the final harvest of 552 million bushels in 1927.

RYE.

Unofficial forecasts of the new rye crop show around 41 million bushels compared with 59 million bushels harvested last year. Unfavorable reports continue to come from Europe. The small remaining visible supply and the fact that much of it is already sold for export will make the market highly sensitive to reports of further injury to the new crop.

OATS.

The oats market has had the benefit of a very small visible supply together with delay in seeding the new crop and poor stands reported on a substantial part of the acreage already planted. Prices advanced to a new high level for the season early in the last week but reacted sharply along with other grains. Farm stocks are estimated unofficially at 153 million bushels against 203 million last year and 325 million two years ago.

CORN

Corn prices advanced to a new high point for the crop year but suffered a sharp setback along with wheat. Prices are about 30 cents higher than a year ago. Receipts have increased on the bulge, but cash demand from industries and feeders followed the advance fairly well. The visible supply has been decreasing more rapidly than usual and now totals about 34

million bushels compared with 46 million at the high point in March. Stocks of corn on farms on May 1 are estimated unofficially at 590 million bushels against 730 million a year ago and 996 million two years ago. Weather conditions have turned more favorable and the large winter wheat abandonment points to a substantial increase in corn acreage.

SEEDS.

The early seed business for 1928 has been practically completed. Some scattered plantings of both alfalfa and clover seed are still being made, but most growers had previously secured these supplies. With the new crop prospects so unsettled, many dealers plan to hang on to any remaining stocks, believing that unless growing conditions improve radically, old seed carried over will be excellent property next fall. Demand for soybeans and cowpeas in southwestern markets is increasing as belated growth of other feed crops and loss of winter wheat acreage in portions of the area will tend to increase the planting of these later hay crops.

FEEDS.

Wheat feeds have moved sharply higher in the past week as feed grains advanced and demand for concentrates remained active. Dealers who had allowed their stocks to run low in anticipation of a dull demand as pastures became available have been forced to replenish their supplies. Pastures in the central states are way behind normal at this time of year but rains in the past week have helped, and if warm weather follows, further improvement should be rapid. Cottonseed meal has continued to advance until prices are almost prohibitive for feeders. Seed is scarce due to the unusually heavy demand for replanting, and many mills are shutting down for the season.

Live Stock Market Service

Monday May 7, 1928

DETROIT

Cattle.

Receipts 1,053. Market steady.
Fair to good yearlings
dry-fed \$10.50 @ \$13.00
Fair to good heavy steers,
dry-fed 10.75 @ \$13.00
Handy weight butcher
steers 10.50 @ \$12.25
Fair to good heifers 9.50 @ \$11.50
Common light butchers.. 8.25 @ \$10.25
Common butcher cows .. 7.00 @ 8.00
Best cows 9.00 @ \$10.00
Good butcher cows 7.50 @ 9.00
Cutters 6.00 @ 6.75
Canners 5.25 @ 5.75
Light butcher bulls 9.00 @ \$10.50
Bologna bulls 7.75 @ 9.25
Stock bulls 7.00 @ 8.50
Feeders 9.00 @ \$10.75
Stockers 7.00 @ \$10.50
Milkers and springers .. 75.00 @ \$135.00

Calves.

Receipts 1,143. Market steady.
Best \$14.50 @ \$15.50
Others 7.50 @ \$14.00

Sheep and Lambs.

Receipts 1,541. Market 25c lower.
Bulk good lambs \$15.75 @ \$16.00
Best lambs 16.00 @ \$16.25
Fair to common lambs .. 12.00 @ \$14.00
Light lambs 9.00 @ \$11.00
Yearlings 12.00 @ \$13.25
Clipped lambs 14.00 @ \$15.00
Fair to good sheep 7.50 @ 8.50
Buck lambs 7.50 @ \$12.25
Culls and common 3.00 @ 5.75

Hogs.

Receipts 2,281. Market 15c higher than last week's close; active on butcher grades and roughs, slow on light weights.
Pigs \$ 8.75
Mixed and heavies 10.25
Lights 9.50
Roughs 8.40
Good yorkers 10.75
Stags 6.25
Extreme heavies 9.00 @ 9.90

CHICAGO.

Hogs.

Receipts 30,000. Market 15 @ 25c higher than Saturday's average; top on light lights and pigs up more; big packers inactive, topping steady; top \$10.25 paid for choice 190-220-lb.

Chicago—Bran, \$37.75; standard middlings, \$38.25; hominy feed, \$42.50; gluten feed, \$38.70; old process oil meal, 34%, \$52.25; tankage, 60%, \$65; cottonseed meal, 43%, \$65.

HAY.

Hay prices continue firmly held. Unseasonably cold wet weather has retarded pastures and meadows and prolonged the feeding season for hay. Heavier feeding of hay in preference to highpriced other feeds has reduced the surplus on farms, and in some section farmers are beginning to hold hay pending the outlook for the coming season. The new crop outlook to date is not very favorable and the yield from the first cutting of both alfalfa and clover will be below normal.

EGGS.

Competition among dealers for fancy quality eggs packed for storage has been one of the prominent factors in the advancing market during the past week. Prices seem firmly entrenched at the higher level and the trade generally expects values to remain steady. Receipts at the leading markets are about 20 per cent smaller than at this time a year ago and reports from practically every section in the middlewest indicate that no great increase in collections is to be expected. Due to the heavy movement into storage during the latter part of April, total accumulations at the four markets during the month were nearly 400,000 cases larger than in the same month a year ago. Stocks in the whole country on May 1 are believed to be considerably smaller than on the same date in 1927.

Chicago—Eggs: fresh firsts, 28½ @ 29¼c; extras, 36 @ 37c; ordinary firsts 27 @ 28c; dirties, 26c; checks, 26c. Live poultry: Hens, 25½c; broilers, 38 @ 40c; capons, 36 @ 38c; roosters, 16c;

ducks, 24c; geese, 16c; turkeys, 30c.

Detroit—Eggs: Fresh candled and graded, 29 @ 30c; dirties and checks, 25½ @ 26½c. Live poultry: broilers 45 @ 50c; heavy hens, 28c; light hens, 26c; roosters, 18 @ 19c; large white ducks, 30 @ 32c.

BUTTER.

The receipts of butter at leading distributing markets indicate that the trend of production is definitely upward. Reports on output show fair gains from week to week although the season is later than usual. Due to the backwardness of pastures, high prices of feed, the poor condition of roads, and so on, however, dealers do not expect more than a slow, steady increase in butter production until near the end of May. The market reflects the unsettled and nervous tone which is usual at the beginning of a new season, and prices will probably respond quickly to the first evidence of heavy production. The firm and higher prices quoted for butter for future delivery indicate that the trade generally is optimistic over the market prospects. It is believed that buying on speculative account will be active the early part of the butter year.

Prices on 92 score creamery were: Chicago, 43c; New York, 44½c; Detroit, 42 @ 44c per lb. for 88 @ 90 score.

POTATOES.

The old potato market has held fairly steady during the past week although supplies are liberal and trading is generally light. Farmers are not hauling many potatoes to shipping points as they are busy with other work, so that most of the stock moving at present is out of warehouses. Frost and excessive rains damaged the early potato crop again last week, which means that the season for marketing old stock will be prolonged even further. Shipments of the new crop are beginning to increase and prices dropped sharply last week in every market. Potato plants in southern Missouri and Kansas suffered some from recent frosts, but permanent damage probably is not extensive. Some planting has been done as far north as Wisconsin. Northern round whites, U. S. No. 1, are quoted at \$1.70 to \$1.85 per 100 pounds, sacked, in the Chicago carlot market.

FRUITS

Reports of the fruit crop in southwestern states continue to bear out previous advices of severe damage from the cold weather during April. Peaches, pears, and apricots suffered heavy losses, and some injury was reported to early apples. Grapes apparently were not damaged and late bush crops also escaped.

WOOL

Wool prices continue firm in seaboard markets. Arrivals from the new clip are gradually increasing and mills are coming into the market on a moderate scale. Prices on some kinds of worsted goods have been advanced slightly. Mill stocks of wool are light and an active demand for goods would compel them to buy freely. On the other hand, if the demand for goods should be rather sluggish through the next two months, increasing supplies of new clip wools might put the situation slightly in buyers' control. Consumption of combing and clothing wool in March totalled 28 million pounds compared with 31 million pounds in February and 34 million pounds a year previous. In the west, some Montana clips have been bought at 38 to 42 cents, grease basis, with Oregon clips reported at 33 cents and some growers holding for 35 cents. Scattering sales of Texas 12-months' wools have been made at 41 to 43½ cents, but most growers are holding for higher prices, which buyers have been unwilling to pay. In Michigan, prices to growers on medium wools advanced from 45 up to 50 cents, although most dealers refused to follow this rise in full.

LIVE STOCK SALES

Holsteins

May 23—J. E. Burroughs & Son, Flint, (Dispersal).
May 22—Michigan Holstein Friesian Ass'n, J. G. Hays, Sales Manager, East Lansing.

Guernseys

May 18—F. B. Anger, Jr., Northville, Michigan, (Dispersal).

COUNTY CROP REPORTS

Huron County—Fall wheat and clover came through the winter in good shape, but recent weather has been hard on these crops. Spring work is backward. Nothing being marketed much at present. Milk \$1.85 per cwt; eggs 25c; wheat \$1.90; oats 75c; beans \$9.55; potatoes 80c.—A. M.

Oceana County—Winter grains are looking fair. Fruit promises a full crop. Work is backward because of cold weather. Acreage of spring crops will be about normal. Butter-fat is bringing 47c; eggs 24c; potatoes are nearly all sold. Dairy and poultry interests are expanding.—J. S.

Calhoun County—Winter grains are in a bad way. Fruit gives promise of an abundant crop. Some farmers are selling milk at 6c per quart; butter-fat 45c; eggs 25c; wheat \$1.96; oats 70c; beans \$8.00.—F. S.

Allegan County—Winter grain is looking badly. The acreage of spring crops is about normal. Butter-fat brings 47c; eggs 24c; wheat \$1.87; beans \$8.00; potatoes 75c. Fat sheep and cattle are scarce.—R. W.

Genesee County—Spring work is very much behind. A good acreage of oats has not been planned but seeding are being sold at \$9.60 per cwt. The wheat crop has been injured. Eggs bring 25c; wheat \$1.90; milk \$2.50 to \$3.00. Dairy farming is expanding in this locality.—S.

Houghton County—On May 1 we still had snow on the ground, and spring work has not started. Milk brings

10c; butter-fat 30c; eggs 30c; potatoes \$1.75.—F. C.

Kent County—Winter grains are much damaged. Dairy cows are about the only live stock receiving attention in this locality. Spring work is now going along well. Our milk brings \$2.60; butter-fat 50c; eggs 27c.—W. H.

St. Joseph County—Winter grains in poor condition. Spring work very backward. The usual acreage of spring crops is going in. Milk brings \$2.00; butter-fat 50c; eggs 25c; wheat \$2.06; potatoes 90c. More oats are being sown this spring on account of winter killed wheat.—H. S.

Barry County—The extended cold weather hurt winter grains. Barley and oats are being seeded. A few farmers are planting pine seedlings in this locality. Eggs are bringing 24c; butter-fat 47c; wheat \$1.74; potatoes \$1.00.—J. E.

St. Clair County—Our season here is very backward. Some farmers are however, starting the plow for corn. Land plowed in the fall is slow getting fit to work. Dairy products are being produced more heavily and the same is true with poultry.—J. S.

Kalkaska County—More certified seed potatoes will be planted here this year than ever before. Cold weather has held back winter grains and delayed work. Fruits are O. K.—S.

Clare County—Spring work has not gotten well under way as yet and very few oats went in before the first of May. Veal and cream are the products being sold at present. Beans bring \$9.50; cream 44c; wheat \$1.75.—J. W.

CLASSIFIED ADVERTISING

This classified advertising department is established for the convenience of Michigan farmers. Small advertisements bring best results under classified headings. Try it for want ads and for advertising miscellaneous articles for sale or exchange. Poultry advertising will be run in this department at classified rates, or in display columns at commercial rates. Rate 9 cents a word, each insertion, on orders for less than four insertions; for four or more consecutive insertions 7 cents a word. Count as a word each abbreviation, initial or number. No display type or illustrations admitted. Remittances must accompany order. Live stock advertising has a separate department and is not accepted as classified. Minimum charge 10 words.

Words	One time	Four times	Words	One time	Four times
10	\$0.90	\$2.80	26	\$2.34	\$7.28
11	.99	3.08	27	2.43	7.56
12	1.08	3.36	28	2.52	7.84
13	1.17	3.64	29	2.61	8.12
14	1.26	3.92	30	2.70	8.40
15	1.35	4.20	31	2.79	8.68
16	1.44	4.48	32	2.88	8.96
17	1.53	4.76	33	2.97	9.24
18	1.62	5.04	34	3.06	9.52
19	1.71	5.32	35	3.15	9.80
20	1.80	5.60	36	3.24	10.08
21	1.89	5.88	37	3.33	10.36
22	1.98	6.16	38	3.42	10.64
23	2.07	6.44	39	3.51	10.92
24	2.16	6.72	40	3.60	11.20
25	2.25	7.00	41	3.69	11.48

Special Notice

All advertising copy, discontinuance orders, or change of copy intended for the Classified Department must reach this office ten days in advance of publication date.

REAL ESTATE

IN THE SAN JOAQUIN VALLEY of California general farming is a paying business, feeding millions of people in towns and cities. Alfalfa combined with dairying, hogs, and poultry, yields a good income. A small one-family farm, with little hired labor, insures success. You can work outdoors all the year. Newcomers welcome. The Santa Fe Railway has no land to sell, but offers a free service in helping you get right location. Write for illustrated San Joaquin Valley folder and get our farm paper—"The Earth" free for six months. C. L. Seagraves, General Colonization Agent, Santa Fe Railway, 912 Railway Exchange, Chicago.

120 ACRES ON MAIN BUS LINE—Equipped only \$2,200. One crop can pay for it, wood & timber worth twice the price; bus passes to Grand Rapids; 80 acres easily worked loam soil, stream-watered wire-fenced pasture, fine lot fruit; beautiful views about the 5-room house, easy walk to lake, ample farm bldgs. Left all alone, \$2,200 takes it for quick sale & will leave pr. horses, flock poultry, feed, farm tools. Half cash, easy terms. John H. Strang, Strout Agency, Rasmussen Bldg., Greenville, Mich.

80 ACRES NEAR RR. Town—Horses, 12 Cattle, Crops, Hay, corn, fodder, machinery, tools, etc., included. Immediate cash income from dairy, plant, 6-room house, ample barns, 60 acres level loam for good crops, 60 apple trees, other fruit; only 1 1/2 miles RR., high school town over improved road. Real bargain in lovely resort district; \$2,900 takes all, part cash. Details pg. 42 free illus. catalog. Write today. Strout Agency, 1105-BC Kresge Bldg., Detroit, Mich.

SPECIAL OFFER—Federal Land Bank offers limited number of farms at bargain prices. Write today, for new descriptions of farms in North Dakota, Minnesota, Wisconsin, Michigan. Deal direct with owner, no commissions. These farms are priced to sell—small down payments—\$200 to \$1,000—easy terms on balance. Land prices are going up. Buy now at our low prices. Write to Federal Land Bank, St. Paul, Minn., Dept. 33.

COME TO EASTERN OKLAHOMA. We have bargains in improved farms of all sizes, adapted for grain, stock, and poultry raising, dairying and fruit growing. Excellent markets, good school and church facilities in an all year climate that makes life worth living. Write today for free literature and price list. National Colonization Co., Room 122, 13 E. 3rd St., Tulsa, Okla.

TEN FERTILE FLORIDA ACRES will net you \$3,000 annually. High, well drained, ready to plant. Live in sunshine and happiness. On paved highway near Ocean Beach and city. Write for information. Reasonable prices. Terms. Davis Realty Co., Transportation Bldg., Detroit.

200 ACRES, 100 cleared, 14 room house, bath, furnace, large barns, tractor, machinery, stock, opposite school; 2 1/2 miles railroad. Owner retiring. \$16,000, terms. Thomas, Rogers City, Mich.

FOR SALE—By owner, small, large Georgia farms; 7,698 acres Florida timberland, 30 acres. Beautiful "Colonial" plantation. Attractive prices. A. D. Malloy, Quitman, Ga.

WESTERN OREGON LANDS, where the grass is always green. Write: Oregon Pacific Realty Corporation, Eugene, Ore.

PORTY ACRES on Manistee River near Junction Dam. Buildings, orchard, berries. Good location, summer resort. Art Hillsamer, Brethren, Mich.

WANTED FARMS

WANTED—To hear from owner of land for sale. O. Hawley, Baldwin, Wis.

MISCELLANEOUS

WHY BLAME THE BULL when your cow does not breed? Use Cow Catch 1 hour before service. Results or your money back; 85 cents for one cow, \$2.90 for five cows, postpaid. Woodstock Farm, Renton, Route 2, Box 49C, Washington.

HOOSIER FARM NECESSITIES—Silos, Glazed Tile or Wood, Round Wood Brooder & Hog House, Glazed Tile for all permanent buildings. Dealers wanted. Hoosier Bldg. Tile & Silo Co., Dept. M. F., Albany, Indiana.

CEDAR TELEPHONE POLES and ten foot posts for sale. Real bargain. G. D. Miller, Cadillac, Mich.

PET AND LIVE STOCK

BOSTON TERRIER PUPPIES—6 wks. to 6 months of age. Nicely marked, and priced \$10 females under \$25 to \$40 either sex. Reg. 5 mos. old AKC. Artida Kennels, Nashville, Michigan.

ENGLISH SHEPHERDS—If you want a pup from real heel working stock, priced low, write Albert Herrmann, Norwood, Minn.

RABBITS—Make Big Profits with Chinchilla Rabbits. Real money makers. Write for facts. 892 Conrad's Ranch, Denver, Colorado.

FOR SALE—Spotted pony, buggy, harness and saddle. 125 dollars. Inquire Earl Arnot, 180 Second St., Milan, Mich.

MAKE MONEY FROM MUSKRAT FUR. Raise Muskrats in dry land pens or hutches. Get facts. 692 Conrad's Ranch, Denver, Colorado.

CHINCHILLA RABBITS for sale. Howard Smith, Capac, Mich.

GOATS

TOGG MILK GOATS. One hornless, produces 2 1/2 to 3 qts. daily. \$75.00 each. Doe kids \$10 each. M. J. Klarenbeek, R. 5, Muskegon, Mich. Shettler Road.

FOR SALE—Three registered Nubian milk goats with kids by side, \$45.00 each. Otis K. Colby & Son, St. Joseph, Mich.

TWELVE GOOD BREED MILK GOATS average 4 qts. Also some doe kids. Thos. Sulphur, 811 W. Div. St., Cadillac, Mich.

MATTRESSES

MATTRESSES made any size, low factory prices. Catalog free. Peoria Bedding Company, Peoria, Ill.

PLANTS AND BULBS

TIFTON'S RELIABLE PLANTS. Frostproof Cabbage, Early Jersey and Charleston Wakefield, Flat Dutch, Succession, Danish Ballhead, Copenhagen Market and Golden Ace. Tomato Plants: Bonnie Best, Greater Baltimore, Livingston Globe, John Bear and Earlsana. Bermuda and Prize Taker Onion Plants. Ruby King and Bull Nose Pepper Plants. Postpaid. 250, \$1.00; 500, \$1.50; 1,000, \$2.50. Express Collect \$1.50 per 1,000. Care used in packing. We guarantee to arrive in good condition. Tifton Plant Co., Tifton, Ga.

PLANTS, 5 ACRES. June, July delivery. Cabbage, Copenhagen, Flatdutch, Ballhead, Prepaid. 200, 65c; 500, \$1.25; 1000 \$2.00. Express, 5000, \$7.50. Cauliflower (Snowball) prepaid. 100, 60c; 500, \$2.25; 1000, \$3.75. Aster, 100, 70c. Moss packed. Critically assorted. Guaranteed. W. J. Myers, R. 2, Massillon, Ohio.

25 MILLION VEGETABLE PLANTS—Outdoor grown. Cabbage, Copenhagen, Wakefield, etc., 500, \$1.50; 1000, \$2.50 prepaid. Express 10,000, \$15. Bermuda Onion Plants same prices. Sweet Potato Plants, \$3.50 prepaid, express, \$2.50 thousand. Tomato plants, 500, \$2; 1000, \$3.50 postpaid, express 10,000, \$20. Transplanted Tomato and Pepper \$2.100 postpaid. Express, \$10 thousand. Well packed, good delivery guaranteed. J. P. Council Company, Franklin, Va.

PLANTS. Early Wakefield, Golden Ace, Copenhagen, Ballhead, Flatdutch cabbage, and Bermuda onion, 500 70c; 1000 \$1.25; 5000 \$5.00. Early Large Red tomato, Big Boston lettuce, 500 \$1.00; 1000 \$1.75; 5000 \$7.50. Large plants. Prompt shipment. Good condition arrival guaranteed. Other plants, Catalog free. Progress Plant Co., Ashburn, Georgia.

COPENHAGEN, Wakefield, Flat Dutch, frostproof cabbage plants, \$1.00 1,000; Bermuda onion \$1.00; tomato \$1.00; Collard \$1.00; Ruby King pepper \$2.00; Porto Rico potato \$1.75. Good plants carefully packed. Prompt shipment. Quitman Plant Co., Quitman, Ga.

FROST PROOF CABBAGE PLANTS all varieties, Tomato plants, Prize Taker and Bermuda Onion plants. Cabbage and Onions \$1.00 thousand, Tomato plants \$2.00 thousand. Plants are stocky. Coleman Plant Farms, Tifton, Ga.

TOMATOES, frostproof cabbage, onions, strong, healthy plants. Leading varieties 100, 50c; 500, \$1.25; 1,000 \$2.00; 5,000, \$9.00. Peppers, eggplant 100, 60c; 1,000, \$2.75. Everything postpaid. East Texas Plant Co., Ponta, Texas.

TWO DOZEN GERANIUM PLANTS. That will give you an abundance of beautiful flowers all summer, post-paid to your door for \$1.25. Any color or mixed. Buckley Geranium Co., Springfield, Illinois.

FROST PROOF CABBAGE PLANTS, \$1. 1,000. Tomato Plants, \$1. 1,000. Onions, \$1.25. Pepper and Potato Plants, \$2. 1,000. Clark Plant Co., Thomasville, Ga.

FROSTPROOF CABBAGE and Onion Plants, Bermuda and Prize Taker, \$1.00 thousand. Prompt shipment of very fine plants. Guarantee Plant Co., Ty Ty, Ga.

SWEET POTATO PLANTS—Nancy Hall; Porto Rico; Southern Queen; Red, Yellow, Big-Stem Jersey; 250 plants \$1.00; 500—\$1.90; 1,000—\$3.50; Postpaid. Robert Bennett, Grandview, Indiana.

FROSTPROOF CABBAGE and onion plants, all varieties, 750 1000. Tomato plants \$1.25 1000. Prime quality, big roots, quick service. Farmers Exchange, Pavo, Ga.

SEND NO MONEY. C. O. D. Frost Proof Cabbage and Onion plants. All varieties. Quick shipment. 500, 65c; 1,000, \$1.00. Eureka Farms, Tifton, Ga.

100 ACRES CABBAGE, Onion and Tomato Plants, Special \$1 per thousand. Farmers Supply Company, Franklin, Va.

DAHLIAS, one each of 10 named colors, \$1.00 prepaid. Mrs. Benj. Peters, Saginaw, W. S., Mich., R. 2.

SEEDS

BUY REGISTERED GRIMM ALFALFA SEED direct from the largest registered alfalfa seed ranch in the United States. All seed dry land grown, sealed and tagged by the Montana Seed Growers Association. Price Extra No. 1 39c, No. 1 37c, No. 2 32c per lb. o. b. Miles City, Montana. Write us for sample. G. W. Allen & Sons, Volborg, Montana.

BUY YOUR GRIMM ALFALFA direct from the introducer! Lyman's Genuine Grimm bears 3 to 4 crops yearly. Leafier and higher in feeding value than other varieties. All seed scarified necessitating less per acre. A. B. Lyman, Introducer, Excelsior, Minn.

SEED CORN, 8 row large type Yankee corn, nothing better for early hogging off. Also choice selected Pride of the North Yellow Dent. These seeds give a very high germination test. We furnish them at \$3.00 per bushel, either shelled or ears, F. O. B. Mendon, Mich. A. E. Beebe & Sons.

REGISTERED (\$7.00 per Bu.) and Certified (\$6.00 per Bu.) Polar Yellow Dent and Jewett Yellow Flint, 56 lbs. shelled and graded. Butts of Polar Yellow Dent for ensilage \$3.50 per bu. Arthur W. Jewett, Jr., Mason, Michigan.

GOLDEN GLOW SEED CORN, grown from registered seed stock, field selected, packed, artificial, air dried. Germination 98%. \$5.00 bu., two or more \$4.75 bu. Guaranteed as represented. Ralph G. Collin, Mt. Pleasant, Mich., R. 8.

CERTIFIED SEED FOR SALE—STATE CERTIFIED. White Rural Seed Potatoes for sale. Buy the best and get the results. Address all inquiries to the Michigan Potato Growers' Exchange, Cadillac, Michigan.

SCIENCE AND PRACTICE demonstrate Improved American Banner wheat, Wolverine oats, Improved Robust beans best for Michigan. A. B. Cook, Owosso, Mich.

SEED CORN, germination 97%. Certified Clements White Cap \$6.00 per bu. Uncertified M. A. C. Yellow Dent \$5.00 per bu. Geisler Bros., Watervliet, Mich.

REGISTERED and Certified Golden Glow seed corn, germination 97%. Inspected by Michigan Crop Improvement Association. Write for circular. P. A. Smith, Muliken, Mich.

PICKETT'S Yellow Dent, grown from certified seed, bucked, tipped, shelled and germinating 97%. Ralph Arbogast, Union City, Mich.

IMPROVED YELLOW CLARAGE CORN is World's highest yielding variety. Certified Seed for sale. Dunlap & Son, Box L, Williamsport, Ohio.

FOR SALE—Clements White Cap and Michigan Yellow Dent Seed Corn \$4.00. Write John Mitchell, Holloway, Mich.

SWEET CLOVER SEED, white blossom, cleaned, scarified, \$6.00 bushel. Purity, germination guaranteed 95%. Monroe Bros., Essexville, Mich.

REGISTERED and Certified Pickett Yellow Dent Corn, butts and tips graded out, germination 97%. Fairgrove Associated Seed Growers, Fairgrove, Mich.

FOR SALE—Manchu Soy Beans, test 99% germination, \$2.25 per bu. delivered. Leslie Sloce, Constantine, Mich.

FOR SALE—Certified White Rural Potatoes, F. Shumway, Buckley, Mich.

CERTIFIED IMPROVED ROBUST BEANS, nine dollars bushel on cars. A. B. Cook, Owosso, Mich.

FOR SALE—Certified White Rural Seed Potatoes, Jas. Lynch, Coral, Michigan.

CERTIFIED POLAR DENT and Wilk's Golden Dent Seed Corn. John C. Wilk, St. Louis, Mich.

TOBACCO

SPECIAL OFFER: Guaranteed chewing or smoking five lbs., \$1.25; ten, \$2.00. Cigars, 50, \$1.75; Pay when received. Gillette Razor Free. Farmers Association, West Paducah, Kentucky.

GUARANTEED HOMESPUN TOBACCO—Chewing, 5 pounds, \$1.25; 10, \$2. Smoking, 10, \$1.50. Pipe Free! Pay postman. United Farmers, Bardwell, Kentucky.

TOBACCO: Kentucky Sweetleaf, Mellow, Aged, Smoking 10 pounds \$1.40. Chewing \$1.75. Pay when received. Kentucky Farmers, Pryorsburg, Kentucky.

HOMESPUN TOBACCO: Chewing 5 lbs. \$1.25. Smoking 5 lbs. \$1. Pay when received. Pipe free. Farmers Union, A5, Paducah, Ky.

POULTRY

8 VARIETIES Record of Performance Male Matings. Breeding cockerels, pullets, and chicks. Free catalog giving big early order discounts. Beckman Hatchery, Box 57, Grand Rapids, Mich.

EGGS, CHIX, DUCKINGS, GOSLINGS. All varieties chickens, ducks, geese, turkeys, bantams, guineas; Arthur Jarvis, Waveland, Indiana.

BARRED ROCK HATCHING EGGS \$6.00 per hundred, Imperial Ringlet and Aristocrat strain. Robt. Martin, Woodland, Mich.

BUFF WYANDOTTE HATCHING EGGS, \$1.50 per setting. J. G. Lange, R. 1, Box 3, Inkster, Mich.

FOR SALE—Mallard Ducks, trios \$5.00, drakes \$2.00. Max Hodgdon, Birmingham, Mich.

WHITE PEKIN DUCK EGGS \$1.50 per setting, postpaid. Gerald Diamond, Mason, Mich.

PULLETS—Rocks, Reds, Leghorns, 8 wk. 75c, 10 wk. 85c. Ed. Kroodsmas, Zeeland, Mich.

BABY CHICKS

UNUSUAL LOW PRICES for our Queen Quality egg bred chicks. Order from this ad for May. S. C. W. Leghorns, B. Leghorns, \$9.00 per 100. Barred Rocks, Rose Comb Reds \$12.00. Discount on 500 or more. June 1c per chick less. Queen Hatchery, Zeeland, Michigan.

HELM'S ACCREDITED CHICKS—Reduced prices. Leghorns, Anconas, Heavy Assorted \$8.50. Barred, White, Buff Rocks, Reds, Minorcas, \$9.50. Wyandottes, Orpingtons, \$10.50. Assorted \$6.90. Our pens now leading Illinois Egg-Laying Contest. Illinois Hatchery, Metropolis, Illinois.

BARRED ROCK CHICKS and Hatching Eggs. Record at Michigan International Egg Laying Contest; winners heavy breeds 1927. Highest Barred Rock pen from Michigan past three years and to date in present contest. F. E. Fogle, Okemos, Michigan.

BABY CHICKS Michigan Accredited Barred Rocks, R. I. Reds, White Leghorns, shipped C. O. D. Immediate delivery of pure-bred chicks from heavy laying foundations. Big free catalog gives new prices. Brumner-Fredrickson Poultry Farm, Box 28, Holland, Mich.

BUY YOUR MICHIGAN ACCREDITED CHICKS from an established breeder. Twenty-five years breeding, seven years trapping, now under Michigan R. O. P. Noted as profit producers, try Strick's Chicks this year. Circular free. Write Strick's Poultry Farm, R. 4, Hudsonville, Michigan.

BABY CHICKS of all standard varieties. Flocks carefully culled for laying, several years, by M. S. C. students. Baby chick prices, 10c to 14c; two weeks old chicks 10c. Clinton County Hatchery, Maxwell and Kees, Prop's., St. Johns, Mich.

ACCREDITED CHICKS—Our Bred-to-Lay Barred Rocks lay and pay; three successive years Michigan State Accredited. Rocks and Reds, \$11.00 per 100 postpaid. C. O. D. if desired. Howe's Accredited Hatchery, Essexville, Mich.

S. C. BROWN (332 egg) and White Leghorns, trapped, pedigreed Chicks, eggs, half price, 100 \$5.50, hens \$1.00. Catalog. Harlan Fulton, Gallipolis, Ohio.

BABY CHICKS—Rocks, Reds, Leghorns, all from Michigan Accredited, bloodtested stock. Get our prices also on 8-10-12 weeks old pullets of above breeds. Pierce Hatchery, Jerome, Mich.

BABY CHICKS AND EGGS Superior Ringlet Barred Rocks, Rose Comb Reds, Tancered and English White Leghorns. Catalogue. Wyndham's Ideal Poultry Yards, Tiffin, Ohio.

LOOK! 100,000 chicks 8c ud. 20 varieties. Using many 200 to 312 egg record bred ROP cockerels. Send for free catalog giving big early order discounts. Lawrence Hatchery, Grand Rapids, Mich.

WHITTAKER'S REDS, both Combs, Chicks and eggs. Write for our reduced prices. Interlakes Farm, Box 9, Lawrence, Mich.

BABY CHICKS \$8.00 per 100. Seconds, strong, vigorous chicks, no cripples. Robt. Christopher, R. 4, Holland, Michigan.

CHICK PRICES REDUCED FOR MAY—White Leg., 8c; lot of 500 7 1/2c. Barred Rocks, 10c. Hillside Hatchery, Holland, Mich.

BUFF LEGHORN CHICKS and Eggs for hatching. Hillcrest Poultry Farm, Bath, Mich.

TURKEYS

DAY OLD TURKEYS—Something new but good. Raise in brooder house or by chicken hen. Easily raised as chickens. Return five times the profit. Mammoth Bronze and White Hollands, \$1.00 each. Special prices on more than fifty poulters. Eggs for hatching. Pine Creek Turkey Roost, R. F. D. No. 4, Holland, Michigan.

WHITE HOLLAND TURKEY EGGS, 50c each postpaid. Safe delivery guaranteed. C. Galbreath, Hartford, Mich.

EDUCATIONAL

TEACHER FOR VACATION WORK. \$245 for 70 days with commissions and railway fare. Will be taught business. A splendid opportunity to make money and get experience in efficient business methods. Give details of training and experience. Write Dept. A, Suite 717, Francis Palms Bldg., Detroit, Michigan.

AGENTS WANTED

PUT NORUB TRACES ON YOUR HARNESS. You can sell many sets in your neighborhood. Striking appearance, strong, low priced. Your territory is open. Act quickly. Write to Paul Balz, Iron River, Mich.

WANTED—Farmer or farmer's son or man to travel in country. Steady work. Good profits. McConnon & Company, Dept. F26, Winona, Minn.

HELP WANTED

WANTED—MILK ROUTE SALESMAN. Must be between 25 and 35 years of age and married. \$300 cash bond required. Steady work and good future. Give particulars in application. Freeman Dairy Company, Flint, Mich.

WANTED—Single white man for farm work. Oscar Paul, Ann Arbor, Mich.

FARM HAND WANTED for general farming and dairying. John A. Burg, Saline, Mich., R. 4.

A Special Life Insurance Offer to Our Readers: FIFTY THOUSAND LIFE INSURANCE POLICIES

One of the Greatest Life Insurance Bargains of its kind ever offered!
Just send \$1.00 and Coupon below. Your policy will be sent by mail.
No Inconvenience NO MEDICAL EXAMINATION REQUIRED!

As announced in a recent issue of the Michigan Farmer, we offer as a special service to our readers, FIFTY THOUSAND Life Insurance Policies—the most remarkable Life Insurance bargain of its kind ever presented!



For only \$1.00 a month and the coupon below, you may obtain—without any medical examination—a Life Insurance Policy in The Federal Life Insurance Company of Chicago, which provides Insurance against death from any cause whatsoever, and, IN ADDITION, provides DOUBLE and TRIPLE the amount of Insurance in the event of accidental death as stated.

Regardless of the amount of Life Insurance you now carry, you cannot afford to ignore this opportunity. Every reader of the Michigan Farmer should apply for one of these policies. Just send \$1.00 and the coupon below. The Policy will be sent by mail.

Standard Life Insurance

Read the Policy at the left. Note that it is STANDARD LIFE INSURANCE. It provides guaranteed Cash, Loan, Paid-up Life Insurance Values, Total and Permanent Disability Benefits, and other standard privileges. Note that it is not Limited Term Insurance. You do not have to exchange it for any other policy at any time. The premium of \$1.00 a month remains the same throughout the life of the Policy. It never increases.

The Federal Life Insurance Company is a standard Legal Reserve Company. It has been established 28 years, continuously under the same management, Isaac Miller Hamilton, President. It has assets of OVER TEN MILLION DOLLARS, and more than \$100,000,000.00 of Paid-for Life Insurance in force. It has paid to Policyholders and beneficiaries over \$16,000,000.

This offer is open to persons between the ages of 10 and 50, in normal health, living in the United States or Canada. NOTE: If you are not in

normal health, or are not a standard insurable risk, please do not apply.

The cost of \$1.00 a month is the same to everyone regardless of age. The amount of Insurance which \$1.00 a month will secure under this offer varies according to your present age. The younger you are the more Insurance you get. (See table below.) To determine the amount take age at your nearest birthday. This amount is payable whenever you die, regardless of how old you may be at the time of death.

Arrangements also have been made to issue this policy in multiple sums for those who wish to obtain larger amounts of Insurance. For example: for \$2.00 a month you may obtain TWICE the amount of Insurance; for \$3.00 a month THREE TIMES the amount; limit for males, FIVE UNITS, or five times the amount; limit for females, THREE UNITS, or three times the amount.

Limited Offer

Send Coupon at Once!

Probably never before has such an opportunity as this been presented to the American public. Think of it! A Standard Life Insurance Policy with Double and Triple Indemnity, Guaranteed Cash, Loan, and Paid-up Life Insurance Values, Total Disability and other benefits—for only \$1.00 a month with the Coupon below—without medical examination! Policy sent by mail!

The Federal Life Insurance Company reserves the right to reject any application by refunding the full amount of the premium paid.

No more than Fifty Thousand Policies will be issued on this offer. As the Michigan Farmer is read by several thousand readers the supply of these Policies may be quickly exhausted. To avoid disappointment send the coupon at once.

Address Coupons To:

MICHIGAN FARMER INSURANCE DEPARTMENT
DETROIT, MICHIGAN

Copyright, 1928

Actual Policy is about
6 times this size

What This \$1.00 Life Insurance Policy Pays:

NOTE: This special Policy costs you only \$1.00 a month regardless of your age. Only persons between ages of 10 and 50 are eligible to apply. To determine the amount of insurance offered for \$1.00 a month take your present age at nearest birthday in Table below. The amount of Insurance is shown opposite the age. This amount is payable whenever you die, regardless of how old you may be at time of death.

AGE	Amount of Insurance Payable Under Triple Indemnity Provision for Accidental Death	Amount of Insurance Payable Under Double Indemnity Provision for Accidental Death	Amount of Insurance Payable From Any Cause Other Than Accident	AGE	Amount of Insurance Payable Under Triple Indemnity Provision for Accidental Death	Amount of Insurance Payable Under Double Indemnity Provision for Accidental Death	Amount of Insurance Payable From Any Cause Other Than Accident
10	\$2,565.00	\$1,710.00	\$855.00	31	1,677.00	1,118.00	559.00
11	2,520.00	1,680.00	840.00	32	1,629.00	1,086.00	543.00
12	2,478.00	1,652.00	826.00	33	1,578.00	1,052.00	526.00
13	2,439.00	1,626.00	813.00	34	1,530.00	1,020.00	510.00
14	2,400.00	1,600.00	800.00	35	1,485.00	990.00	495.00
15	2,361.00	1,574.00	787.00	36	1,443.00	962.00	481.00
16	2,325.00	1,550.00	775.00	37	1,395.00	930.00	465.00
17	2,274.00	1,518.00	759.00	38	1,350.00	900.00	450.00
18	2,238.00	1,492.00	746.00	39	1,305.00	870.00	435.00
19	2,190.00	1,460.00	730.00	40	1,260.00	840.00	420.00
20	2,157.00	1,438.00	719.00	41	1,221.00	814.00	407.00
21	2,112.00	1,408.00	704.00	42	1,173.00	782.00	391.00
22	2,070.00	1,380.00	690.00	43	1,131.00	754.00	377.00
23	2,028.00	1,352.00	676.00	44	1,088.00	724.00	362.00
24	1,986.00	1,324.00	662.00	45	1,044.00	696.00	348.00
25	1,935.00	1,290.00	645.00	46	1,002.00	668.00	334.00
26	1,899.00	1,266.00	633.00	47	963.00	642.00	321.00
27	1,851.00	1,234.00	617.00	48	921.00	614.00	307.00
28	1,806.00	1,204.00	602.00	49	882.00	588.00	294.00
29	1,764.00	1,176.00	588.00	50	843.00	562.00	281.00
30	1,713.00	1,142.00	571.00				

NOTE: Fifty Per Cent Natural Death Benefit During First Six Months. See Policy.

COUPON

MICHIGAN FARMER INSURANCE DEPT.
1632 Lafayette Blvd., Detroit, Michigan.
I certify that I am a reader of the Michigan Farmer and hereby request the Special Life Insurance Policy checked below.

NOTE: For a dollar a month Policy check here
☐ \$1.00 ☐ \$2.00 ☐ \$3.00 ☐ \$4.00 ☐ \$5.00
If you wish a larger multiple amount of this Insurance as offered, indicate your desire by checking here the amount of the monthly premium you wish to pay. (Limit for males, five units; for females, three units.)

Check or Money Order for the amount of the first month's premium must be sent with this coupon

My Name Is..... Write Your Name in Full. Do Not Use Initials.

My Home Address Is.....

Date of Birth..... My Age Is.....

Beneficiary..... Write Here the Full Name of Person to Whom You Want Insurance Paid At Your Death

NOTE: This Insurance will become effective if and when issued by the Federal Life Insurance Company at its Home Office in Chicago. The Federal Life Insurance Company reserves the right to reject any application for this insurance for any cause whatsoever, and in such cases will return to the Applicant the full amount of the payment sent with this coupon.

Save \$1.00

Should any of our readers desire to purchase this Insurance on the annual premium basis, they may do so by sending us a check or money order for \$11.00. By thus paying the premium a year in advance, the saving would be \$1.00