

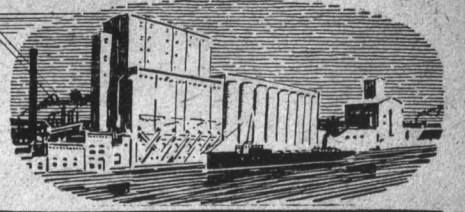
VOL. XIII, No. 11

JANUARY 30, 1926

The Michigan BUSINESS FARMER



*An Independent
Farm Magazine Owned and
Edited in Michigan*



"TUNIN' IN" THE M. B. F. MARKET REPORTS FOR DAD

*Read in this issue: "How M. S. C. Knows Sheep by the Nose Print"—Farmers Service Bureau—
Broadscope Farm News and Views—Fruit and Orchard—Publisher's Desk—The Farm
Home—Radio Department—and many other features*

Those Who Have Fed it Longest Know its merits Best!



Among feeders of Larro are many thousands whose experience with it is limited to a few months. To them we might refer you for an opinion of Larro and for proof of its worth as a dairy ration.

You would find these men enthusiastic—even in their short experience with Larro, it has brought higher yield in their milk pails and improved physical condition in their cows.

But we prefer to put Larro to a severer test—the test of two, three or more years of feeding in the same herds. This, for two reasons—because no one can question results obtained from a test of such duration; and because the successive years of Larro feeding emphasize its advantages for the building of cow condition, the maintenance of health—the profitable production of milk.

Dairymen who have fed Larro continuously for years not only have proved these facts to their satisfaction, but have established

Larro superiority on a basis of the profit it earns over feed costs.

Scores of such experience stories are yours for the asking—instances in which records show steadily increased milk yield for several consecutive years until the full capacity has been reached—for entire herds as well as for individual cows; and, what is more important, profitable milk production every year.

Here lies the real value of Larro—as a producer of profit, the goal of everyone engaged in the business of dairying.

Of course you can best form your own opinion of Larro from an actual test with your own cows. But if the experience of others has weight with you, we invite you to obtain this evidence from Larro dealers. Any merchant selling Larro can give you the names of nearby users—perhaps of neighbors and friends, owners of cows of all breeds—whose testimony your own experience will later bear out.

Ask the nearest dealer

THE LARROWE MILLING COMPANY
DETROIT MICHIGAN



THE SAFE RATION FOR DAIRY COWS

Also a complete line of Poultry Feeds—as good for your chickens as our Dairy Feed is for cows.



Buy Michigan State Accredited Chicks

From one of the founders of the chick industry 24 years in the business. An old reliable hatchery which has been puffing out guaranteed chicks for years. Our flocks are the result of careful breeding and culling over a period of years. All our flocks have been state accredited and our Male Birds have been legbanded by the state. When seen our chicks recommend themselves. S. C. White Leghorns, Barred Rocks, Rhode Island Reds, Dr. L. E. Heasley Egg Basket Strain Buff Leghorns.

Meadow Brook Hatchery & Farms,
Box M, R. R. No. 1, H. De Pree Sons, Holland, Michigan.



Every farmer should have a copy of this book. Contains valuable information on all Cereals, Soy Beans, Sweet Clover, Alfalfa, Pasture Mixtures, Corn, etc. Directs you in the way of better crops and greater profits. John R. Liederbach of Pa., writes: "Some time ago we received your Seed Guide and during odd times have read it with interest. You give more information on Field Seeds than all other catalogs combined." Write today for a free copy of this book. Written in plain English so anyone can understand it. It is the best Seed Guide we have ever offered. Our Seeds cost no more than the ordinary kind; and besides, WE PAY THE FREIGHT. O. M. SCOTT & SONS COMPANY
116 Fifth Street Marysville, Ohio

HORSE SALE

PERCHERONS AND BELGIANS.
MARES AND STALLIONS.
SOME GOOD TEAMS.
WEDNESDAY, MARCH 10—12:30 P. M.
Sales Pavilion, M. S. C.
MICHIGAN HORSE BREEDERS ASSOCIATION,
R. S. Hudson, Sec'y. East Lansing, Mich.

WHEN WRITING ADVERTISERS MENTION THE MICHIGAN BUSINESS FARMER

FINE WOOL GROWERS MEET FEB. 2

THE third annual meeting of the Michigan Fine Wool Sheep Breeders' Association will be held at Michigan State College February 2nd of Farmers' Week. An interesting program has been arranged featuring Professor G. A. Brown of M. S. C. on commercial stock foods and tonics, V. A. Freeman, Extension Specialist, on record of merit work, J. F. Walker of Gambier, Ohio, on fine wool sheep, and Edwin Knopf, Manchester, Michigan, on a club boys' experience with fine wool sheep. Besides this, the Black Top Breeders will discuss what is Black Top type, in order to get in line for a feature exhibit at the Michigan State Fair, since it is now hoped and expected that they will be given a special classification for their breed.

Matters of vital importance to all the fine wool breeds and types will be discussed by members and the association will go on record as to what it believes will be for the best interests of the breeders of fine wool sheep, so far as rules and classifications are concerned, in the making up of the new premium list of the Michigan State Fair.

At noon the members and visitors will regale themselves with a high class mutton banquet at one of the leading restaurants in East Lansing, the mutton for this occasion being furnished by one of the fine wool breeders who promises something extra choice in this line.

As part of the afternoon program the new B type flock of Merinos, recently donated by the breeders to the College will be brought into the pavilion for inspection and a judging demonstration. The Black Top Flock donated by Black Top breeders a year ago will also be brought in and a type show and judging demonstration will be staged for all interested in that class. A similar program will also be carried out with the Bambouillet flock. This flock has brought many honors to the College and a study of these sheep on the part of the breeders ought to be a great help in future breeding operations.

Every breeder of any class of fine wool sheep is urged to be present and enjoy and profit by all the good things the association has to offer them this year.—E. M. Moore, President.

OVERHAUL TRACTOR NOW

WHAT are some of the main things to check up when overhauling a tractor. The ignition system, the oil pump if the tractor has one, valves, pistons and rings, bearings, gears and carburetor should be examined and fixed if necessary.

These things should be considered by every tractor owner during the winter months when the tractor is ordinarily idle. Time spent in overhauling the tractor this winter may mean time and money saved next spring and summer when most farmers can ill afford to neglect farm work long enough to make tractor repairs.

If your tractor has a high tension magneto that has been working all right, leave it alone. However, if something is wrong with the magneto it is not advisable for any one but a good mechanic to try to do much with it.

The oiling system should be gone over. There is nothing more necessary than plenty of good oil to prevent wear and to keep the tractor in running order.

Valves become pitted and sometimes warped so that they leak and a great deal of power is lost because of poor compression. This can usually be remedied by grinding the valves and making sure that they seat properly at all points.

Take a look at the pistons and rings. If the cylinder is badly worn it might be necessary to rebore the cylinder liners, they can be replaced.

In tightening the bearings, be sure that the nuts are all tight and keyed and that the bearings all fit snugly. If they are too tight, they will burn out. If the bolts cannot be drawn tight without making the bearings too tight, put in a shim or two and always have the cap tight.

—J. Goss.

Uncle Ab says that the one he most needs to tell the truth to is himself.

RED MAN

THE MILD MELLOW CHEW

The Michigan BUSINESS FARMER

The Only Farm Magazine Owned and Edited in Michigan

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Few Realize the Value of Alfalfa and Sweet Clover

Writer Thinks Rural Bankers Should Urge Farmers To Plant Two Legumes

By JOHN G. KRAUTH

A COMPREHENSIVE appraisal of the assets and liabilities of the various types of soil in Michigan from an agricultural angle is hardly possible without an intelligent understanding of the merits of Alfalfa and Sweet Clover, and their providential introduction to Michigan thru the untiring efforts of its Department of Agriculture. In the humble opinion of the writer they are so important to its agriculture that no Thanksgiving Proclamation by the Governor should ignore their beneficence.

So necessary in fact are these deep rooting, drouth defying legumes to profitable farm husbandry, that failure in so many instances to heed the constant advice of the State Department of Agriculture to seed with these unrivaled barn filling, mortgage lifting plants whenever and wherever possible, is little short of economic suicide. Yet after the laudable efforts of the department for the benefit of the farm owner and for the benefit of society in general, one can travel the entire state and in many directions and only occasionally sight an alfalfa or sweet clover field.

Gamble on Uncertain Legume

For this yearly economic blunder which would bankrupt a Henry Ford in no time, our federal land banks and particularly our rural bankers, can not escape a share of responsibility in their failure to visualize collectively, the importance of these necessary mortgage lifting crops. As a matter of fact it would seem the acme of wisdom for them with their powerful influence over the borrowing world, to actively cooperate with the state department of agriculture to awaken Michigan's farm world from the folly of gambling entirely upon an uncertain short rooting legume for their hay crop, to the lasting benefit of whole farm districts with soils favorable for their growth.

Gambling on full hay mows with medium clover entirely, a shallow rooting legume, which in turn depends upon favorable moisture conditions for satisfactory results, when it is possible to avoid this risk to a great extent with a field of deep rooting legumes, is one big factor or

cause, in the high cost of production. Alfalfa and sweet clover, with their roots of gold, respect no cast in soil aristocracy, but double and treble hay crops and carrying capacity of pasture fields, swell the yields of grain crops, and by their added fertility are Michigan's partially developed gold mines, to be reckoned with annually in millions.

No exaggeration is possible in appraising the services of these valuable legumes to humanity. Utilized no doubt ages and ages before Joseph's time and which season after

season regardless of proper moisture conditions are demonstrating their value in abundant crops. Their super value in revitalizing worn out fields can not be over stretched.

It requires no great stretch of the imagination to forecast the dominant parts they are destined to play in solving the problem of the near future shepherd and dairyman in large areas of idle land, commonly regarded as waste land in Northern Michigan, when lean cupboards will necessitate their development. With the world flocks diminishing, naked

bodies and hungry mouths in far off lands a constant growing problem, and our own cleared fields heedlessly robbed of their fertility to pay for flivvers and gasoline, within twenty years America's "one hundred seventy five millions" will understand the word "famine" in its literal sense.

In heralding the coming day for the idle reserve lands of Northern Michigan, let this be understood as no weazel worded tribute to unchangeable jack pine areas, but for lean clay subsoil types more or less common in every county in Michigan however poorly clothed upon its fire-swept surface, and to the untrained eye, birds of one feather. For this reason it is commonly classed as a poor house relation in the family of agricultural soils, but identified thru an alfalfa eye as an idling millionaire garbed in the outer raiment of a season hobo, if I may be permitted to paraphrase.

To understand this statement one has only to visit any progressive alfalfa or sweet clover enthusiast in any section of Michigan and learn first hand the dependable dollar returns in hay crops it is possible to secure on the various types of light soils, properly prepared, side by side with similar crops on the heavier type of soils. He will then ponder long before condemning large areas of idle land in Michigan as pups of one litter."

Idea Not New

The idea of "credit pressure" suggested herein, to encourage the growing of alfalfa and sweet clover is in no way original. Years ago similar methods were adopted by the bankers in certain wheat growing sections of Minnesota as a last resort to ward off bankruptcy. It was "thumbs down" to the borrower gambling on one crop to repay his loan and the "glad hand" to those who adopted diversification of crops. The end justified the means. When this welcome day arrives in Michigan, the northern section will gradually live down the unenviable distinction of being the source of "scrub cattle" and the home of the "opulent potato grower"—at planting time—who generally realizes around steen cents for his crop.

NATIONAL DAIRY SHOW COMES TO MICHIGAN

DETROIT has been awarded the 1926 national dairy show, according to word received by the Detroit Convention and Tourists' bureau from W. E. Skinner, of Chicago, secretary-manager. The show will be held Oct. 9-16, in the Michigan State fair grounds, if a satisfactory agreement can be reached between officials of the National Dairy Association and state fair board officials.

Seventeen allied organizations have the option of meeting during the show and it is expected at least twelve of them will hold their annual conventions here. Attendance records of the shows held in Syracuse, Chicago, Milwaukee and other cities show that 50,000 persons will be attracted from all parts of the United States and Canada.

Michigan, one of the leading dairy states in the union will be well represented during the show. Several dairymen from this state have won high honors at previous meetings of the National Dairy show.

A conference will be held soon with Michigan State fair officials. The dairymen's committee will be composed of John W. Ladd of Detroit, Charles L. Hill of Rosendale, Wisconsin, president of the National Dairy association, and W. E. Skinner, Chicago, secretary-manager.

Allied organizations are: American Association of Creamery Butter Manufacturers, American Association of Medical Milk commissions, American Dairy Science association, Ice Cream supply men, Certified Milk Producers association, International Association of Dairy and Milk Inspectors, International Milk Dealers association, National Association of Ice Cream Manufacturers, National Cheese association, National Creamery Butter Makers association, National Dairy council, National Dairy union, National Milk Producers federation, National Poultry, Butter and Egg association, International Dairy Federation, Association of American Dairy, Food Drug officials and the Dry Milk institute.

One Thousand Entries in Muskegon's 16th Annual Poultry Show

By CARL H. KNOPF

WITH its one thousand entries marking it as one of the largest poultry shows in the state, the 16th annual exhibition staged by the Muskegon and East Shore Poultry and Rabbit Fanciers Association at the Muskegon Armory on Jan. 16 to 19 was a decided success. The exhibits showed splendid quality throughout, surpassing in this respect the excellent shows of former years. The spacious armory at Muskegon with its excellent lighting makes an excellent location for a poultry show and the uniform cooping adds much to its attractiveness.

Competition is always keen at the Muskegon Show between the Muskegon exhibitors and those from other parts of Michigan. The 1926 show had a total of 75 exhibitors, of which 51 were from Muskegon county, the remainder being competitors from nearby counties.

The honors were quite evenly divided between the Muskegonites and their neighbors. W. S. Nixon of Coopersville, with an excellent display of Single Comb Black Minorcas, was the largest single winner in the show. In addition to his winnings in the regular classes he also took

away three of the sweepstakes silver trophy cups offered for the highest total number of points won, for the best cock, cockerel, hen, pullet, and pen in the show, and for the best display in the show.

A. M. Wood of Grand Rapids who gathered in several trophy cups at last years' Muskegon show with his S. C. Rhode Island Reds, repeated this year to the extent of winning the trophy cup offered for the best bird in the show.

Other sweepstakes winners of silver trophy cups were as follows:

Best pen in show, White Wyandottes owned by John DeGroot of North Heights; best solid colored pen, White Wyandottes, Jas. Ayres, Muskegon Heights; best parti-colored pen, S. C. Mottled Anconas, M. R. Elenbaas, Grand Rapids; best utility display, S. C. White Leghorns, Progressive Hatchery, Zeeland.

Special purp championship ribbons were awarded in the standard classes to the following exhibitors:

Best old pen, S. C. Rhode Island Reds, A. M. Kood; best young pen, S. C. Black Minorcas, W. S. Nixon;

best cock bird, White Wyandotte, John DeGroot; best hen, S. C. Rhode Island Red, A. M. Wood; best cockerel, S. C. Black Minorca, W. S. Nixon; best pullet, White Wyandotte, Jas. Ayres.

The utility classes showed fully as many entries as did the standard classes and a large number of birds were entered for competition in both classes. These efforts of our breeders and fanciers to combine both standard and production points in the same birds is indeed a step in the right direction. It is to be hoped that the time is not many years distant when the combined standard will be the only standard used.

In the utility classes the championships were awarded as follows:

Best old pen, S. C. White Leghorns, Thos. Rozenboom, Muskegon; best young pen, best cock bird, best cockerel, S. C. White Leghorns, Henry W. Carpenter, Muskegon; best hen, W. C. Rhode Island Red, A. M. Wood; best pullet, Barred Rock, Herbert Buteau, North Muskegon.

One big feature of the show was the pigeon display with over 150

birds entered. The varieties shown included tumblers, fantails, pouters, and many others. The Homer racing classes were also well filled. This form of sport in the poultry world has many enthusiastic followers in Muskegon. Prominent exhibitors in the latter class were; Jos. Kesteloot, C. H. Moore, Edwin Irwin, Chas. Graham, and Benj. Kesteloot, all of Muskegon. Other pigeon exhibitors were: Gerrit Hooker of Muskegon and Albert Vanderveen of Grand Haven.

The display of rabbits was much smaller than at previous shows but had excellent quality throughout. Prominent exhibitors in this section were: L. D. Hyde of Ravenna and Wm. Ivanson of Rockford, the latter winning the silver trophy cup offered for the best rabbit in the show.

The success of the Muskegon show is due entirely to the tireless efforts of the breeders and fanciers living in Greater Muskegon and in the surrounding territory and their ability to work and stick together.

Financial aid is given by the county in the form of a \$300 appropriation annually.

How M. S. C. Knows Sheep By the Nose Print

Solve Problem of Establishing Positive Identity of Each Sheep Entered for Record of Merit

By STANLEY M. POWELL

(Lansing Correspondent of The Business Farmer.)

PROFESSORS of animal husbandry and students of livestock improvement tell us that the present high stage of development of modern domesticated farm animals is the product of generations of careful selection and intelligent breeding for the realization of a previously conceived and well-established goal.

When we visit our great fairs and livestock exhibitions we are impressed anew with what is being done along this line of the continual improvement of our farm stock. It is an example of man-directed evolution taking place under our very eyes.

Back of all progress in producing better animals for the meat block, or the dairy or the shearing floor, are two genetic laws, which, while proved true by age-old experience, are, strangely enough, apparently more or less contradictory the one to the other. These basic laws, stated in their simplest terms, are first, that like tends to produce like, and second, that there is an insistent and more or less inexplicable tendency toward constant variation. The experienced and intelligent livestock breeder takes advantage of each favorable variation and, by judicious mating seeks to insure the permanency of that desired quality or producing ability which he has observed with approval.

Records Are Essential

It is evident that to secure satisfactory progress through such breeding methods we must have careful records of individual quality or producing ability. Progressive dairymen have long realized this fact and have kept detailed records of the milk and butterfat production of their cows. They have studied with growing interest the production records of the female progeny of their valuable sires.

In order that these records might carry conviction and have the value which comes from unquestioned authenticity and impartial accuracy, cow-testing associations and various kinds of official records and advance registry honors were established. Today every private sale or public auction reveals how much importance prospective purchasers place upon these trustworthy records of the individual animals and their ancestors.

Now obviously the same genetic laws apply to sheep as to cattle; a breeding practice which would work successfully in increasing dairy production could logically be expected to be equally efficacious in the development of sheep of super-wool producing ability.

But although the theory is unquestionably valid, the application of these principles to fleece improvement and to increasing the sale value of sheep of exceptionally superior wool production has met with baffling practical obstacles. Probably the greatest difficulty was that up until just recently there has seemed to be no sure and dependable way of determining the identity of an individual sheep.

A Question of Identity

Here was the crux of the whole proposition. How was this matter of identity to be determined and verified? Even to a person having no technical or practical knowledge about sheep-breeding and husbandry it is evident that if sheep were to enter into competition with each other for producing heavy fleeces of high quality during a year, they would, of course, have to be closely shorn to begin with and then reshorn at the end of approximately twelve months. Unless we have some absolutely sure way of determining identity, some breeders might bring in a sheep with sixteen months' growth of wool.

In the case of every exceptionally high record, somebody would be sure to point to it with suspicion and raise the objection that undoubtedly fraud had been perpetrated. Thus the record, no matter how good, would have small value, unless it could be proved definitely that the sheep that sheared the superior fleece was the same individual

that had previously been closely shorn on a certain date.

Sad past experience has demonstrated that not too much dependence is to be placed upon many of the standard methods of identification. Ordinary ear tags can be interchanged in a moment or two. Ear notches, punches and clips can be imitated readily. It was thought at first that tattoo marks might solve the problem, but it was soon found that they could be easily duplicated.

Nose-Prints Do the Trick

Then someone remembered that the Jersey cattle breeders had employed noseprints as a means for the successful identification of individuals under test. Mr. Verne A. Freeman, animal husbandry specialist at the Michigan State College of Agriculture and Applied Science determined to see what he could do in the identification of sheep by the nose-print method.

Slow progress was made at first. The prints were faint or smeary and of little value. Gradually the proper technique was mastered. The prints

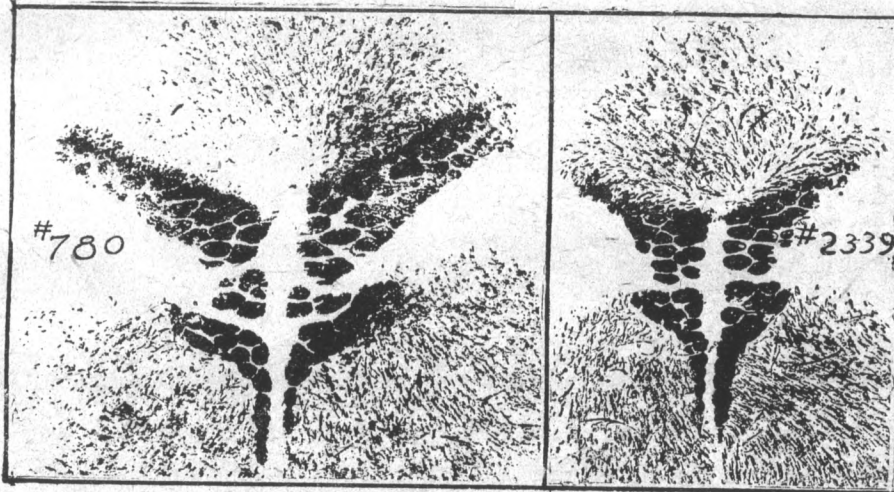
to take the impressions of the sheep's nose on some plain, high quality, white paper. Usually several prints of the same sheep are made side by side on the same piece of paper. This insures that all parts of the nose will be properly mapped.

I am told that the significant parts of the nose prints are the little dots made by the papillae, which are the openings from the glands that produce the moisture that gives the healthy sheep a dewy nose.

Having at last successfully hurdled this difficult obstacle of dependable insurance of identity, there has been established the Michigan Fine Wool Sheep Breeders' Association and work is already being done to accredit sheep of superior wool producing ability for an official record of merit. A constitution and by-laws have been adopted and rules formulated to govern the admission of sheep to this record of merit.

High Standards Set

The by-laws provide for the establishment of a record of merit consisting of two divisions: (A) based on weight of fleece as it comes from



Samples of sheep nose prints as used by the Michigan State College to identify sheep.

were plain and distinct and showed a marked and readily noticeable difference between individuals.

Then the question arose, would the nose-prints of the same sheep be alike year after year or would they vary so as to be valueless for identification purposes? Trials were made and the results obtained to date indicate that this new and novel method is going to prove practicable and satisfactory. Comparisons of nose-prints of the same sheep made in successive years reveal striking and easily detected uniformity of pattern and outline. There is every indication that records made under this system of identification would be properly safeguarded and would be dependable.

Mapping the Papillae

Perhaps it would be well just here to pause and explain in some detail how the college experimenters now secure satisfactory nose-prints. First, they take a small amount of thick printers' ink and spread it thinly and evenly over a piece of glass. Next the sheep's nose is wiped dry and touched with the ink-smeared glass. The final step is

the sheep and (B) based on the weight of scoured wool produced. As the quantity of scoured wool and its grade determine the real market value of the fleece, the B division seems capable of resulting in the greatest permanent benefits.

The grade of wool both as to fineness and length, as well as mutton characteristics of the sheep, can be seen by the ordinary breeder, but the real baffling factor is to tell which sheep really produces the most scoured wool.

The standards set by the association are as follows:

"To obtain record of merit in division A, each sheep must meet with the following requirements: For American merinos other than Delaines: Rams to shear not less than twenty-eight pounds at a year's growth or to have sired at least ten lambs which have attained a record of merit. Ewes to shear not less than eighteen pounds at a year's growth or to have produced at least two lambs which have attained a record of merit.

"For Rambouillets or American, standard and black-top Delaines: Rams must shear not less than twen-

ty-five pounds at a year's growth or to have produced ten lambs which have attained a record of merit. Ewes to shear not less than sixteen pounds at a year's growth or to have produced two lambs which have attained the record of merit.

"To attain record of merit in division B, sheep must meet the following requirements which shall apply to all breeds: Rams must produce in one year at least eight pounds of scoured wool. Ewes must produce at least six pounds of scoured wool."

Rules governing admission of sheep to record of merit are as follows:

"Any member wishing to enter sheep for the Record of Merit shall make application in writing to the Animal Husbandry Extension Specialist, M. S. C., East Lansing, Mich., indicating with his application the approximate time he wishes to shear.

Must Be Pure-Bred

"Sheep to be entered must be pure-bred and recorded in their breed Association record.

"Sheep entered shall be inspected within a week after shearing by a representative of Michigan State College, who shall make a record of the date of shearing.

"Twelve months after the first shearing an M. S. C. representative shall again witness the shearing of the same sheep, for the purpose of seeing that it is done as nearly as possible in the same manner as was the first shearing. He shall weigh the wool and record its weight. In case the fleece is entered for the scoured test he shall take possession of the fleece and forward it to Animal Husbandry Extension Specialist at M. S. C.

"Fleeces submitted for the scouring test shall be accompanied by a scouring fee of \$1.00 each.

"Upon receipt of data from the M. S. C. Animal Husbandry Extension Specialist showing that a sheep has qualified, and having received the registration fee of fifty cents from the owner, the Secretary of the Association shall issue a certificate of Record of Merit to the owner."

"Fleeces submitted for the scouring test shall be considered the property of the sheep owner and may be disposed of by returning them to him carrying charges collect, or at the option of the owner, the fleeces may be pooled and sold each year by the M. S. C. representative and net proceeds prorated."

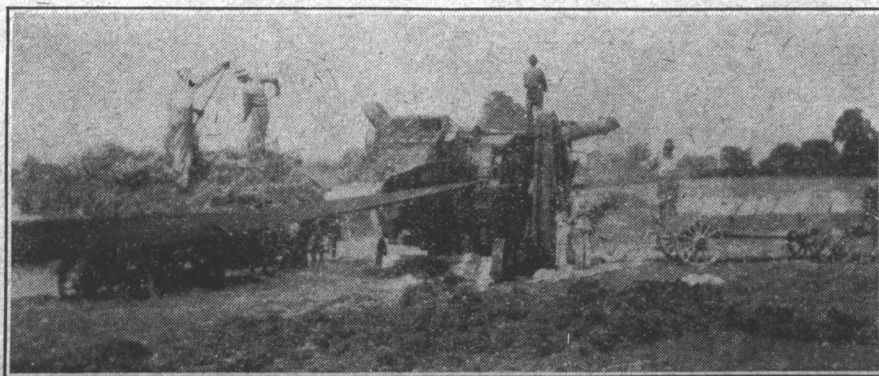
Division A of the above described record of merit is already functioning, but there have been unexpected delays in securing the mechanical equipment necessary for starting division B, which is based on the scoured product. Of course, this is really the more important phase of the subject, as what we are really interested in is a large yield of scoured wool and high-quality oil to protect the fleece from the weather.

Good Records Being Made

Sheep were sheared under inspection according to the rules of the Association in 1924 and 1925. Ewes have made records up to 22 pounds and rams up to 30.3 pounds. These records would, of course, be ridiculed were it not for the fact that they have the official sanction of the Association. Breeders in other states and the wool trade generally will do well to watch with interest the wool improvement work which is being carried forward in Michigan as outlined above.

It might be well to append to this article a brief statement as to the condition of the sheep and wool industry in Michigan. Despite the naturally deterrent effect of the publicity which has been given more or less widespread circulation to the effect that the saturation point has been reached and that farmers should go slow in embarking in sheep, there has been a consistent, gradual increase in the number of farm flocks in Michigan. The demand for breeding ewes continues strong. Cooperative marketing of wool through the annual pool conducted by the Michigan State Farm

(Continued on Page 21)



A BUSY DAY ON THE FARM

Threshing on the farm of O. H. Pohl, of Albion, Michigan

THRU OUR HOME FOLKS' KODAKS



READY FOR WORK OR PLAY.—This is Elynor Dunnigan and Lyle Edin, of Port Huron, and the picture was sent to us by John Edin, of Port Huron.



PUTTING UP THE ICE CROP.—While this is a familiar Michigan scene this picture was not taken in this state. It was taken in the state of New York on the farm of one of our subscribers and sent in by Mrs. H. E. Aiken, Falconer, N. Y.



IN THE CORNFIELD.—A shock of big Western corn grown on the farm of Max Thomsen, of McBride, for silage. Mrs. Thomsen and son stand in the foreground.



LET'S HAVE SOME MUSIC.—W. C. Begel, of Lansing, with his cello.



FEEDING THE CHICKENS FOR GRANDPA.—Little Barbara Louise, sixteen months old granddaughter of Mr. and Mrs. Edgar Smith, of Elsie, loves to help around the farm, and is particularly interested in the chickens.



WHITE COLLIES.—These collies are owned by Mrs. G. Pripkow, Springport.



A COUPLE OF SNOW BIRDS HAVING LOTS OF FUN.—These jolly girls seem to be having a great time. The picture was sent in by Violet Radhs, Bad Axe.



"M. B. F. SAYS."—D. B. Willetts, Battle Creek, says "You get 'em young."



HOLD STILL A MINUTE, CAN'T YOU?—Did you ever try to hold a lively puppy and have your picture taken? It's some job. The boys are sons of Wm. Thiel, Chesaning.



ISN'T HE A DANDY?—This fine Percheron sire is owned by George H. Wales, of Kingsley. Mr. Wales, who is standing at the head of the horse writes, "He is one of Michigan's finest." We do not blame him for feeling proud.

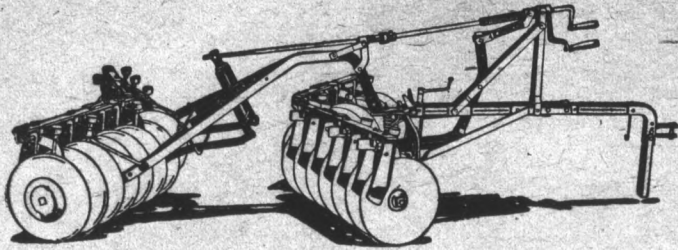


"ISN'T HE A FINE BABY?"—That's what Forest Sykes, 3 years old, says about baby Stanley. They are the children of Mr. and Mrs. E. V. Sykes, Albion.



"GIDDAP HORSEY!"—Karl and John Berlin, of Midland, are all ready to take a nice ride but their faithful old pal, Brownie, does not seem very anxious to act as their horse. Picture from Mrs. Fred Berlin, Midland.

Don't Forget Better Farm Equipment Week,
March 15 to 20. See the John Deere Quality
Line on Display at Your Dealer's.



Give Your Crops the Benefit of Good Disking

Along with soil fertility, accurate planting and proper cultivation as factors in stimulating increased crop production is that of thorough disking before and after plowing.

John Deere Model L Tractor Disk Harrow

by reason of exclusive features of construction, penetrates and pulverizes its full width under any field condition. It works the soil twice in each trip over the field. The John Deere Automatic Yielding Lock Coupling causes the rear disks to cut out the ridges left by the front disks.

Independent control of the gangs permits the setting of either front or rear disks from straight

line to any working angle, without stopping or backing the outfit.

Pressure on front disks is instantly regulated by hand crank controlling powerful pressure spring and pivoted yoke through which the drawbars pass.

The Model L Harrow has the necessary weight, the correct hitch, and the flexibility to make it penetrate and do good work in any field condition.

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"At last, glory be, there is a book dealing with the vexed and perplexing fertilizer problem that the ordinary farmer can understand. Somebody has said that this book has done for the man growing crops what 'Feeds and Feeding' did for the man growing livestock. That is extravagant praise unless this new book by S. F. Hinkle, called 'Fertility and Crop Production,' is a monumental work. But before you call for some salt to take with the statement, read the book! We have read it, we are going to study it, and we agree that, from the farmer's standpoint, it is far and away the most helpful thing on the subject that has ever been printed.

"The author is a practical farmer with a thorough scientific training and experience as a teacher, who is serving as a farm paper editor. He therefore knows his subject and he knows how to get it over to the farmers. That, in itself, is an achievement, but that isn't what makes the book monumental.

"The striking new thing and the supremely helpful thing is that the author keeps chemistry out of sight and builds his book on the truth that 'all fertility practices worthy of recognition must have in view the crops and the gain that can be realized.' With the purpose of finding what modern fertilizer practices have brought home the bacon, and of making farmers familiar with them, the author spent five years going over, not the theories but the actual results of actual fertilizer trials as made by practically all the experiment stations in the country. And, in an unbiased way, he has interpreted these results and set them forth in type in such a way that even this writer can understand them."

"If this fertilizer thing has your goat (we might leave off the 'if'), get a copy of 'Fertility and Crop Production' by S. F. Hinkle. It is published by the author at Sandusky, Ohio, and costs \$2.85 plus postage."—(Editorial, Dec. 5, 1925, Pacific Rural Press, John E. Pickett, Editor and Member of the Standard Farm Paper Editorial Board.)

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LANDLORD GETS TWO-THIRDS

If A furnishes land, seed, tools, and machinery and part of the twine and part of the threshing bill, what share should A get and what share should B get? If A should board B what share would B get. Who is to furnish feed for the horses?—Reader, Kalkaska, Mich.

WHERE the landlord furnishes everything and bears two-thirds of such expense as twine, threshbill and purchased seed he gets two-thirds of the income and tenant one-third; horses and other stock fed out of undivided feed. The above is the general practice and any exceptions should be figured separately. It is best to have a fixed charge for the board. On the above basis, the tenant should be compensated for two thirds of the horse feed. The cost will depend upon the number of horses fed, quality and amount of feed consumed.—F. T. Riddell, Research Assistant in Economics, M. S. C.

SON BECOMES CITIZEN

Is a man born in another country a citizen of this country if he came over here with his parents over forty years ago at the age of two years? His father took out citizenship papers of this country? What penalty can they give a man for deserting his wife and one child?—E. N., Alma, Michigan.

IF the father became a naturalized citizen while his son was under 21 years of age, the son would also be a citizen; if he did not, the son would have to be naturalized. Penalty for desertion of wife and minor child is from three months to three years depending on the circumstances.—Legal Editor.

GET COMMERCIAL LICENSE PLATES

I live on a farm and have a Ford roadster with a truck body. Am doing a little trucking to Flint and Saginaw such as potatoes and other farm truck. Now what I would like to know is will it be necessary for me to buy commercial license plates for this car? If A should have a car and did not use it last year, would A have to buy two licenses?—F. A. Burch Run, Michigan.

WE advise that a Ford roadster with truck body attached must carry commercial license plates. If car was not used on the public highways last year, it is not necessary that the owner purchase or pay the price of two licenses.—Charles J. DeLand, Secretary of State.

COULD NOT COLLECT

My son is employed in the U. S. mail service in Detroit and took a school course by mail, paid his first installment, \$31.00, and decided that it was of no real benefit and returned all their books, and now they want him to pay for the full course; can they collect it?—P. A., Yale, Michigan.

I AM of the opinion the school could not collect the full price of the course, if you returned their books and did not finish the course. All they could recover would be damages for the actual expense which they incurred in the transaction.—Legal Editor.

PUTTING IN NEW STOVE

In our school we have a good stove and the state officers say we have got to put in a furnace. The schoolhouse has been built sixty years and why should we be forced to spend money for something we do not need?—H. M., St. Clair County.

THE portion of the Michigan school building law applying to this question reads in part as follows:

"Section 4. No heating system shall hereafter be installed in any schoolhouse in this state, nor shall any heating system be replaced by another heating system in any schoolhouse of this state, until the plans and specifications for the

same shall have been submitted to the Superintendent of Public Instruction and his approval indorsed thereon. The plans and specifications shall make provision for ventilation either as a part of or in connection with the heating system and shall be submitted in duplicate to the Superintendent of Public Instruction.

"Section 5. * * * Any person, board, firm, or corporation, who violates any of the provisions of this act shall be deemed guilty of a misdemeanor, and upon conviction thereof shall be punished by a fine not to exceed one hundred dollars or imprisonment in the county jail for a period of not to exceed thirty days, either or both in the discretion of the court."

This does not necessitate the removal of a heating plant in existence at the time this act became a law but when it becomes necessary to purchase a new one it is then required that plans be submitted to the Superintendent of Public Instruction for his approval.—M. H. Milks, Dept. of Public Instruction.

COULD SELL COWS

A let B have one cow and three calves and told B he could have them for their keep as long as he wished. This was two years ago. Can B hold cattle if A wishes to sell them or can B collect for feed bill if A does take them?—R. L. J., El Dorado, Michigan.

I AM of the opinion A could sell the cows, but would have to pay B for their food and care. A, by his agreement, evidently did not intend to give the cows to B outright.—Legal Editor.

CAN HE FORECLOSE

I bought this farm twelve years ago, put a new house on it and paid some down and according to my contract I have to pay fifty dollars down every year, and I told the man who holds the contract I was not able to live up to the contract and he said it was all right with him. But now some people claim if that man wants to be mean, he can take the farm away from me. Now I would like to know if that is so or not.—B. V., Marion, Mich.

IF you have defaulted in your payments under the contract, the seller could foreclose at any time provided the contract has not been reinstated by payment of interest since last default.—Legal Editor.

COST OF OPERATING TRACTOR

Last spring my tenant and myself purchased a tractor, plow and disc, each to pay half and each to stand half of the expense of oil and gas, repairs, etc. We gave our note for the outfit and I ran the tractor myself nearly all season and made no charge for my time. This fall the man moved off and now refuses to carry out his end of the deal and I have had to pay for the outfit and I am after the following information: About what would it be worth per acre for plowing, also per acre for discing each, paying half of the fuel and oil bill? My intentions are to force this man to pay me for the use of the outfit, also my time for running the outfit which I think is no more than right.—W. W., Hastings, Mich.

THE operation costs of the small two-plow tractor as it relates to plowing and discing are approximately as follows:

Total cost of plowing per acre including fuel, lubrication oil, wages, interest, depreciation and repairs, is about \$3.00. Operators wages were figured at the rate of \$.20 per acre. Fuel and oil costs per acre total \$1.00.

The total cost of discing per acre on the same basis as above is 66c. Operator's wages were figured at the rate of 25c per acre, fuel and oil costs per acre total 24c.

Note: Fuel was figured at 16.3c per gallon and lubricating oil at 74c per gallon.—E. C. Sauve, Ass't. Professor of Agricultural Engineering, Michigan State College.

"I am Sold on Power Farming"

— Says A. E. GRIFFIN of Texas

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"I have been a Fordson owner and Fordson farmer for the past four years," says A. E. Griffin of Lubbock, Texas.

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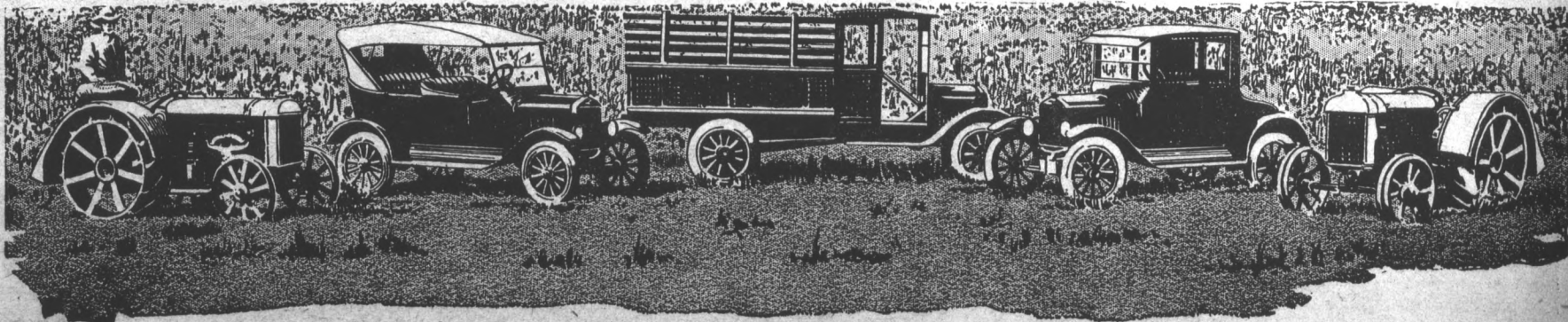
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Broadscope Farm News and Views

Edited by L. W. MEEKS, Hillsdale County

Times Have Changed

THE writer has just been reading an issue of a local daily paper bearing the date February 21, 1912. It was, no doubt, more interesting than the issue of Feb. 21, 1926, will be. A large cartoon on the first page showed a mammoth half-opened oyster-shell, with Theodore Roosevelt just stepping out and giving his views on the coming presidential campaign and, one infers, "throwing his hat in the ring" as a presidential pearl rolls out of the shell at his feet! And all very proper, for his home was at Oyster Bay.



L. W. MEEKS

A large space was given to an address by Andrew Carnegie, urging a peace treaty among all nations. Among other things he said, "The warlike proceedings in Europe at present are a flash from the past, a recurrence of the practices of savage times. I do not believe they are the prelude to a period of general warfare. The world is not moving backward. It is not going back to the habit of war. In 200,000 church the ministers are urging the ratification of peace treaties, and public sentiment in favor of these treaties is growing stronger day by day. If Great Britain, France, Germany and the United States will sign a peace treaty, the effect will be highly sobering on the nations of the east. The troubles we hear of in Europe and Asia just now do not disturb my faith in the ultimate success of the peace movement. The man who enlists in the army or navy today, enters about the safest of all vocations. There is only the remotest chance that a United States soldier or sailor will ever see a battle."

Little did Mr. Carnegie dream, at the time he made the above speech, that in a few short months the worst war in all history would be staged, and that thousands upon thousands of America's best men would be transported to France to engage in that war, a war for humanity. This speech of Carnegie impresses me greatly as a disarmament conference is about to be held at Genoa, in which all nations are expected to participate; and the thought comes, what a blessing if a universal peace treaty and disarmament agreement could have been signed and lived up to in 1912, as Mr. Carnegie had faith it would at that time.

When this 1912 paper was issued it probably was not very interesting, but it is interesting now. Produce, grain and stock markets showed prices which were just about half the price quoted in today's paper. Fuel was advertised at about one third the present price. Coke was four dollars and twenty-five cents per ton; hard coal, seven dollars per ton. Yes, times have changed.

Imported Clover Seed

I have before me a report on the importation of clover seed. It is almost past belief that so much clover seed has been sent into the United States from foreign countries. Since Oct. 1 there has passed through the port of New York alone, the amount of 35462 bags, containing 447,438 pounds of seed. This was from France alone—enough to plant 7,447,438 acres to French clover. Much, if not all of this seed, will produce very inferior crops, or none at all. It is produced in a climate vastly different to that in which it will be sown in the U. S. Much seed was imported before Oct. 1, and Toledo alone has received 1,550,090 pounds of French seed for the 1926 sales. It would seem that the Federal Government, being so anxious to help the American farmer, would find some way of compelling these importers of foreign seed to so color or mark it, that it would have to sell for just what it is.

The Truth in Fabric Bill

From the day it was first introduced I have been much interested in the Truth in Fabric Bill. It seems very logical indeed, that cloth should be sold for just what it is. Perhaps there is no other commodity that can be, and is adulterated and mixed up as much as fabrics. The ordinary person must rely upon what the salesman says and, while the salesman may be honest in his remarks, it is quite possible he doesn't know himself exactly what he is selling. Along with this Truth in Fabric Bill I would like to see another on concerning "Truth in Galvanizing. There is reason to believe that much of the galvanized wire fence we buy is very poorly galvanized. I can see no reason why a galvanized wire fence should be entirely covered with rust after four or five years of exposure, and much of it entirely rusted to pieces in twelve or fifteen years. I would not compel fence manufacturers to use a certain amount of galvanizing, but I would compel them to state on each roll of fence just what the galvanizing was, and what per cent by weight the fence carried of it. Then if a farmer wanted to buy a fence for a little money, he would get the light weight galvanizing, and when he wanted the best fence obtainable he would get the heavy galvanized, and pay for it accordingly. Today we have no way of knowing what we are getting. All fence looks alike, and we buy it blindly.

We have some fence that must be replaced. It has not been erected many years, yet it is so rusty it is worthless. However there are one or two wires in it that are very clean and not rusted any for some distance, when they may show rust for a few feet and then are free from it again. It seems the maker must have made a mistake on these wires and got on almost too much lead and zinc in some places! The fencing of a farm requires considerable outlay of cash, and a farmer, when erecting fence would show poor judgment indeed, if he did not buy the best, and as it is now, he does not know what he is getting.

The Chores are Done

The chores are done, and as it is a zero night all the stock got a little extra feed. It is said feed is fuel and surely they need fuel tonight. It is one of those nights when an indescribable sense of satisfaction settles over one, when the chores are all finished, kindling ready for the morning fires, a couple of chunks placed beside the old stove, lantern put out, and one settles down in his



SOME TALL CORN

Archie E. Denny, of Saranac, saw the pictures we recently published of some tall Michigan corn and then sent this in. Mr. Denny planted his corn on June 1st and on August 26th, when this was taken, it stood 11 feet high. The highest we have heard of in Michigan is 14 1/2 feet. Can you beat it?

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favorite chair with a pan of apples on the table beside him, and the daily paper before him. With me, the paper has just been read, the apples sampled, and equally pleasant I find the task of writing a few lines for the readers of the M. B. F. And as the days go by, and different ones mention to me something about "Your Broadscope article in THE BUSINESS FARMER," I realize the readers of the M. B. F. must be very very many indeed. Well, I am glad to have heard from so many of them and hope to hear and learn of many more.

This is one of the nights when we appreciate the storm sash on our windows. It is wonderful what a great protection they provide. No difference how tight a window may fit, there is only a thin pane of glass between the outside cold and inside warmth with the ordinary window, and glass is a poor insulator of heat or cold. It is when another window is placed about four inches outside of the common window that you get a dead air space which provides the insulation and protection from the cold. I always thought these storm sash were an investment paying double dividends—one in comfort, and one in fuel saving; and as fuel gets scarcer and higher priced each year. I believe they will pay even larger dividends as the years go on. Their cost is very reasonable, and the fuel saving will pay for them in one or two winters. It really is an extravagance to go without them. They are one of the many things a

person pays for, whether he has them or not.

The Tank Heater

The tank heater is another thing to be appreciated these days. No doubt many do not use them because of the fire hazard. This reason is rather faulty, as there is practically no damage from fire. The fact is, the draft in a tank heater is very seldom hard enough to carry sparks out of the pipe. However if one is nervous over the remote possibility of fire, one could use an oil heater. There are some dairymen who feed balanced rations to their cows, then turn them out to drink from a tank with anywhere from one to six inches of ice in it. This seems, in a way, like using good feed to heat water, when coal would do it, and very much cheaper. Besides, a cow will not drink copiously of ice water. Neither does she want it warm, but just about the temperature it was when first pumped. The old upright tank heaters were alright in their day, and we still use one of them. It gives fairly good results as we have a tank deep enough so there is about two and one-half inches between top of heater and cover of tank.

Our tank is boxed and packed with straw during the winter, and in ordinary mild weather we do not need the heater if we pump the tank full each day. But today and tonight there sure is a fire in it, see the smoke!

FRUIT AND ORCHARD

— Edited by HERBERT NAFZIGER, Berrien County —

RED RASPBERRIES

Please send me any information on the planting and growing of the red raspberry. — W. F. H., Bay County.

THE red raspberry is propagated by means of suckers, or root-sprouts. Early in spring dig up strong, healthy suckers of the previous season's growth. Cut the tops back to about six inches and plant in soil that has been previously manured and harrowed. For a commercial plantation the plants should be set three feet apart in the row and the rows six feet apart. In a home garden they can be planted somewhat closer; possibly two feet in the row and rows four feet apart. Clean, shallow cultivation is essential, and care should be taken to keep the suckers hoed out between the rows. The red raspberry bears its fruit on two year old wood. This wood bears but once and after the harvest it should be cut in order to give the young shoots a chance. Cuthbert, King, and Miller are three good varieties. Most berry growers prefer Cuthbert.



Herbert Nafziger

FERTILIZING STRAWBERRIES

As I am a reader of THE BUSINESS FARMER, I would like some information in regards to fertilizers, I am intending to set one acre of strawberries in the spring. The soil is sandy loam. What kind of fertilizer should I use? Should I use fertilizer on the soil before setting, or should I use it on the rows after setting?—H. H. M., Lawrence, Mich.

IN fertilizing strawberries it is mighty hard to beat good stable manure. Give the land a good heavy application of stable manure during the winter before you set the plants. Early in the spring disk the manure into the ground before you plow. Then plow the land and immediately after plowing apply about 300 pounds of acid phosphate to the acre, which should be dragged in with a spring tooth drag. Keep the land dragged until you are ready to set the plants.

If you have no manure, and can't get any, plow the land as early as possible in the spring and drag in 500 pounds of a mixture containing not less than 2 percent nitrogen, 8 per cent phosphorus and 10 per cent

potash. A week after setting the plants scatter a tea-spoonful of nitrate of soda around each plant being careful not to get any of it on the leaves. Repeat the nitrate treatment about June 1st.

In growing strawberries remember that "tillage is manure". All the fertilizer in the world will not do you any good unless you keep the young patch thoroughly hoed and cultivated from the time the plants are set until late in the fall, and never use lime or marl on a strawberry patch.

CRANBERRIES

Would like to know about growing cranberries. I have a boggy place at one end of the lake that I believe would grow them if this isn't too near the North Pole. Hoping you can find space for this in my old friend, M. B. F.—R. W. R., Levering, Mich.

NO, you are not too near the North Pole for cranberries. They are a northern crop and will not do well in a warm climate. Cultural methods differ in different localities and experience will tell you just what is best for you.

Soil should be rich in humus, boggy and preferably with some sand mixed through it. The land should be graded perfectly level and the

BUMPER GRAPE CROP IN 1926

AFTER an extensive study of the vineyards in the Michigan fruit belt, Prof. N. L. Partridge of the Michigan State College has predicted the greatest grape crop in the history of the state for 1926.

water level should be under control so that the bog can be flooded during the growing season and water held slightly below the surface at other times. Usually the bog is sanded on top to a depth of about four inches and cuttings ten inches to a foot long are planted from one to two feet apart early in spring.

For more detailed information it might be well to write to experiment stations at Madison, Wisconsin; Amherst, Massachusetts; Lansing, Michigan. Also write to U. S. Department of Agriculture for Bulletin No. 176, Cranberry Culture.

There does not seem to be an over-production of cranberries. Last year the average net price to the grower was reported at 9 cents per pound. The average yield for the U. S. is 47 bushels per acre, while the highest yield was in Oregon, 119 bushels per acre.

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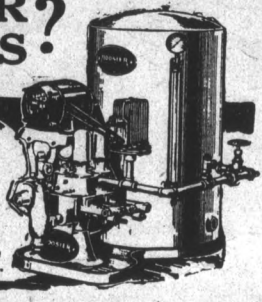
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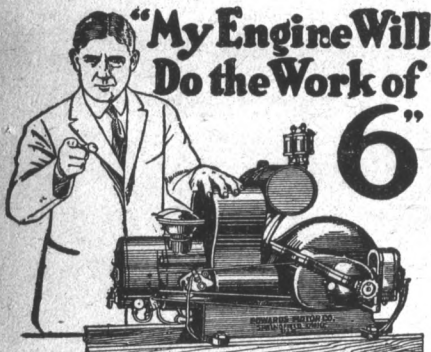
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WHEN WRITING TO ADVERTISERS MENTION THE M. B. F.



The Indian Drum

By William MacHarg and Edwin Balmer

Copyright by Edwin Balmer

(Continued from Jan. 16th issue.)

WHEN they had gone down to the street and were in the car, Constance leaned back, closing her eyes; she feared her mother might wish to talk with her. The afternoon papers were already out with news of the loss of the ferry; Mrs. Sherrill stopped the car and bought one, but Constance looked at it only enough to make sure that the reporters had been able to discover nothing more than she already knew; the newspaper reference to Henry was only as to the partner of the great Chicago ship owner, Benjamin Corvet, who might be lost with the ship.

She called Miss Bennet as soon as she reached home; but nothing more had been received. Toward three o'clock, Miss Bennet called her, but only to report that the office had heard again from Mr. Sherrill. He had wired that he was going on from Manistique and would cross the Straits from St. Ignace; messages from him were to be addressed to Petoskey. He had given no suggestion that he had news; and there was no other report except that vessels were still continuing the search for survivors, because the Indian Drum, which had been beating, was beating "short," causing the superstitious to be certain that, though some of the men from Number 25 were lost, some yet survived.

Constance thrilled as she heard that. She did not believe in the Drum; at least she had never thought she had really believed in it; she had only stirred to the idea of its being true. But if the Drum was beating, she was glad it was beating short. It was serving, at least, to keep the lake men on shore alert. She wondered what part of the report of the Drum might have played in her father's movements. None, probably; for he, of course, did not believe in the Drum. His move was plainly dictated by the fact that, with the western gale, drift from the ferry would be toward the eastern shore.

A little later, as Constance stood at the window, gazing out at the snow upon the lake, she drew back suddenly out of sight from the street, as she saw Henry's roadster appear out of the storm and stop before the house.

She had been apprehensively certain that he would come to her some time during the day; he had been too fully aware of the effect he made upon her not to attempt to remove that effect as soon as he could. As he got out of the car, shaking the snowflakes from his great fur coat and from his cap, looking up at the house before he came in and not knowing that he was observed, she saw something very like triumph in his manner. Her pulses stopped, then raced, at that; triumph for him! That meant, if he brought news, it was good news for him; it must be then, bad news for her.

She waited in the room where she was. She heard him in the hall, taking off his coat and speaking to the servant, and he appeared then at the door. The strain he was under had not lessened, she could see; or rather, if she could trust her feeling at sight of him, it had lessened only slightly, and at the same time his power to resist it had been lessening too. His hands and even his body shook; but his head was thrust forward, and he stared at her aggressively, and plainly, he had determined in advance to act toward her as though their relationship had not been disturbed.

"I thought you'd want to know, Connie," he said, "so I came straight out. The Richardson's picked up one of the boats from the ferry."

"Uncle Benny and Alan Conrad were not in it," she returned; the triumph she had seen in him had told her that.

"No; it was the first boat put off by the ferry, with the passengers and cabin maid and some injured men of the crew."

"Were they—alive?" her voice hushed tensely.

"Yes; that is, they were able to revive them all; but it didn't seem possible to the Richardson's officers that any one could be revived who had been exposed much longer than that; so the Richardson's given up the search, and some of the other ships that were searching have given up too, and gone on their course."

"When did you hear that, Henry? I was just speaking with the office."

"A few minutes ago; a news wire got it before any one else; it didn't come through the office."

"I see; how many were in the boat?"

"Twelve, Connie."

"Then all the vessels up there won't give up yet!"

"Why not?"

"I was just talking with Miss Bennet, Henry; she's heard again from the other end of the lake. The people up there say the Drum is beating, but it's beating short still!"

"Short!"

She saw Henry stiffen. "Yes," she said swiftly. "They say the Drum began sounding last night, and that at first it sounded for only two lives; it's kept on beating, but still is beating only for four. There were thirty-nine on the ferry—seven passengers and thirty-two

crew. Twelve have been saved now, so until the Drum raises the beats to twenty-seven there is still a chance that some one will be saved."

Henry made no answer; his hands fumbled purposely with the lapels of his coat, and his bloodshot eyes wandered uncertainly. Constance watched him with wonder at the effect of what she had told. When she asked him once about the Drum, he had professed the same scepticism which she had; but he had not held it; at least he was not holding it now. The news of the Drum had shaken him from his triumph over Alan and Uncle Benny and over her. It had shaken him so that, though he remained with her some minutes more, he seemed to have forgotten the purpose of reconciliation with her which had brought him to the house. When a telephone call took her out of the room, she returned to find him gone to the dining-room; she heard a decanter clink there against a glass. He did not return to her again, but she heard him go. The entrance door closed after him, and the sound of his starting motor came. Then alarm, stronger even than that she had felt during the morning, rushed upon her.

She dined, or made a pretense of dining, with her mother at seven. Her mother's voice went on and on about trifles, and Constance did not try to pay attention. Her thought was following Henry with ever sharpening apprehension. She called the office in mid-evening; it would be open, she knew, for messages regarding Uncle Benny and Alan would be expected there. A clerk answered; no other news had been received; she then asked Henry's whereabouts.

"Mr. Spearman went north late this afternoon, Miss Sherrill," the clerk informed her.

"North? Where?"

"We are to communicate with him this evening to Grand Rapids; after that, to Petoskey."

Constance could hear her own heart beat. Why had Henry gone, she wondered; not, certainly, to aid the search. He had gone to—hinder it?

CHAPTER XIX

The Watch Upon the Beach

Constance went up to her own rooms; she could hear her mother speaking, in a room on the same floor, to one of the maids; but for her present anxiety, her mother offered no help and could not even be consulted. Nor could any message she might send her father explain the situation to him. She was throbbing with determination and action, as she found her purse and counted the money in it. She never in her life had gone alone upon an extended journey, much less been alone upon a train over night. If she spoke of such a thing now, she would be prevented; no occasion for it would be recognized; she would not be allowed to go, even if "properly accompanied." She could not, therefore, risk taking a handbag from the house; so she thrust nightdress and toilet articles into her muff and the roomy pocket of her fur coat. She descended to the side door of the house and, unobserved, let herself out noiselessly on to the carriage drive. She gained the street and turned westward at the first corner to a street car which would take her to the railway station.

There was a train to the north every evening; it was not, she knew, such a train as ran in the resort season, and she was not certain of the exact time of its departure; but she would be in time for it. The manner of buying a railway ticket and of engaging a berth were unknown to her—there had been servants always to do these things—but she

watched others and did as they did. On the train, the berths had been made up; people were going to bed, behind some of the curtains. She procured a telegraph blank and wrote a message to her mother. When the train had started, she gave the message to the porter, directing him to send it from the first large town at which they stopped.

She left the light burning in its little niche at the head of the berth; she had no expectation that she could sleep; shut in by the green curtains, she drew the covers up about her and stared upward at the paneled face of the berth overhead. Then new frightened distrust of the man she had been about to marry flowed in upon her and became all her thought.

She had not promised Uncle Benny that she would not marry Henry; her promise had been that she would not engage herself to that marriage until she had seen Uncle Benny again. Uncle Benny's own act—his disappearance—had prevented her from seeing him; for that reason she had broken her promise; and, from its breaking, something terrifying, threatening to herself had come. She had been amazed at what she had seen in Henry; but she was appreciating now that, strangely, in her thought of him there was no sense of loss to herself. Her feeling of loss, of something gone from her which could not be replaced, was for Alan. She had had admiration for Henry, pride in him; had she mistaken what was merely admiration for love? She had been about to marry him; had it been only his difference from the other men she knew that had made her do that? Unconsciously to herself, had she been growing to love Alan?

Constance could not, as yet, place Henry's part in the strange circumstances which had begun to reveal themselves with Alan's coming to Chicago; but Henry's hope that Uncle Benny and Alan were dead was beginning to make that clearer. She lay without voluntary movement in her berth, but her bosom was shaking with the thoughts which came to her.

Twenty years before, some dreadful event had altered Uncle Benny's life; his wife had known—or had learned—enough of that event so that she had left him. It had seemed to Constance and her father, therefore, that it must have been some intimate and private event. They had been confirmed in believing this, when Uncle Benny, in madness or in fear, had gone away, leaving everything he possessed to Alan Conrad. But Alan's probable relationship to Uncle Benny had not been explained; she saw now that it had even been misleading. For a purely private event in Uncle Benny's life—even terrible scandal—could not make Henry fear, could not bring terror of consequences to himself. That could be only if Henry was involved in some peculiar and intimate way with what had happened to Uncle Benny. If he feared Uncle Benny's being found alive and feared Alan's being found alive too, now that Alan had discovered Uncle Benny, it was because he dreaded explanation of his own connection with what had taken place.

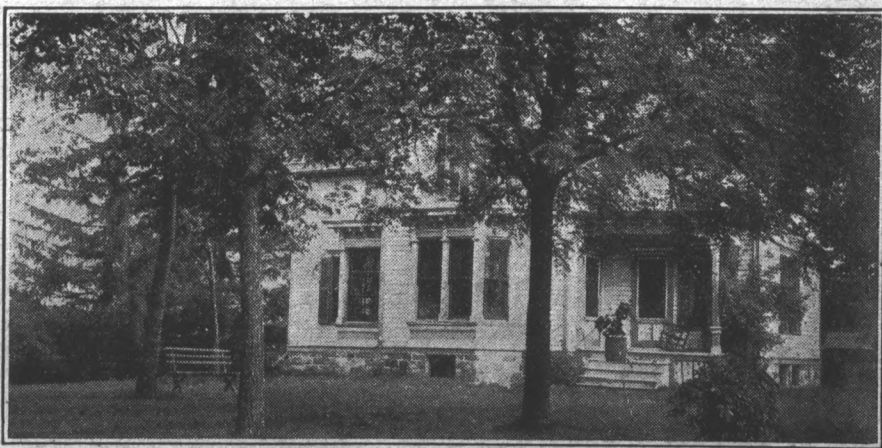
Constance raised her window shade slightly and looked out. It was still snowing; the train was running swiftly among low sand hills, snow-covered, and only dimly visible through snow and dark. A deep-toned, steady roar came to her above the noises of the train. The lake! Out there, Alan and Uncle Benny were fighting, still struggling perhaps, against bitter cold and ice and rushing water for their lives. She must not think of that!

Uncle Benny had withdrawn himself from men; he had ceased to be active in his business and delegated it to others. This change had been strangely advantageous to Henry. Henry had been hardly more than a common seaman then. He had been a mate—the mate on one of Uncle Benny's ships. Quite suddenly he had become Uncle Benny's partner. Henry had explained this to her by say-

(Continued on page 21.)

WHERE OUR READERS LIVE

Haven't you a picture of your home or farm buildings that we can print under this heading? Show the other members of The Business Farmer's large family where you live. Kodak pictures are all right if the details show up well. Do not send us the negatives, just a good print.



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This fine home is located on the farm of Mr. and Mrs. J. T. Daniells, of St. Johns. There is lots of cool shade here during hot summer days we will wager. Mr. Daniells secured the act of legislature designating September 30th as "Memory Day", to be devoted to the care of the graves of our dead.



SALTLESS CHRISTIANS

A NON-SECTARIAN SERMON BY

Rev. David T. Warner

TEXT: "Ye are salt of the earth: but if the salt have lost its savor, wherewith shall it be salted? It is thenceforth good for nothing but to be cast out and trodden under foot of men."—Matt. 5:13.

THE night was cold, dark and rainy. The occasion was a love-feast something after the fashion of the early church. The service was prepared and all things were ready. "Few will be out this bad night," said the doubtful voices. But a glad surprise was at hand. Many more than a few were present. "Ah, this is the Lord's Supper and we must be there," said these Christians. And the community said: "How these folks love one another!"

A week passes by, and one hears of sharp bargains among the brethren, falsifying statements, word-battles, attacks and counter-attacks. The whole community is stirred. People are talking. About what? About how these Christians love one another? Sadly, no. But how they bite and devour one another. Did these church-folks eat the Lord's Supper? "First of all," says the apostle, "I hear that divisions exist among you; and I partly believe it. * * * When therefore ye assemble yourselves together, it is not possible to eat the Lord's Supper." Verily, how Hate and Bitterness sit in at the most sacred places. They did at the Upper Room supper, and they have not yet lost their jealous leer and malignant boldness. What hate and carnality in the church! Saltless Christians!

"Ye are the salt of the earth." In these words, Jesus laid down the supreme task of the Christian. He spoke to but a few of his chosen. They were baffled. "How can we do it. We are just a handful. And the world is so big and bad." "But that is not it," said Jesus. "I know you can not do it alone. But it is humanly impossible. Yet, you can do it with Me. The earth is to be salted and ye are the salt. Go into all the nations. O, yes, there will be wars; gigantic, terrific, and ghastly wars. But keep going. You are to receive impulse and courage from me. And, I can tell you now, there will be malice, strife, and treachery in the church; but let the salt keep working. Your power is built on nothing less than Jesus Christ and righteousness. And I am with you even unto the end." Truly, "It is not the leap at the start but the steady going on that gets there."

We are to understand that this world is more dead than alive, and we are to salt it to keep it from rotting. At home we salted dead hogs, not live ones, to keep them from decaying. I can see father yet rubbing the salt into the hams to keep them sweet and wholesome. "Society about you is corrupt," said Jesus; "but ye are the salt of restoration and preservation." Ah, yes, we are to be rubbed into the social mass to arrest decomposition, to keep it from falling to pieces by reason of its own foulness, and to add sweetening and flavor. "He that hath ears to hear, let him hear."

But how are ye to be salt? By our restraining influence. What is that? Why, our purity and meekness. Don't you know that that low-lived crafty evil-doer does not operate openly before the bright light of one's purity and holy devotion? The blaze of it, like the electric light in the street, drives him back into the dark alleys and under cover of darkness. Incidentally, it has been said that what a man really is, is what he is when it is dark and the lights are out. This power of hindering evil by a clean, white life, is a very proper function for a Christian.

Yet, one must put something into the social body; and this is one's active, positive, and on-going life of righteousness. This is breathing a better spirit into society and raising its moral tone. But we must be rubbed in. That is, we salt society by immediate and personal contacts in the home, business, social, and church relationships. "Ye are a sweet savor of Christ unto God," said Paul. "Ye are salt." And to

think of it, salt works silently and inconspicuously. Am I willing to be that pure, humble, and unfamed disciple of Jesus Christ drawing men to him?

"But if the salt have lost its savor." Then what? Wherewith shall the earth be salted? Have we lost our savor? Are we willing to be rubbed in? "No, I am not," says brother Selfish, and too, sister Jealousy. "My money and my life are my own. I'll do what I please with them. And be sure they will not be given to help thoughtless and shiftless neighbors." Verily, how like the world! How foul and corrupt is this spirit! This soul is being worsted by a corrupt earth rather than becoming salt for the earth. To your knees, O church-member, you are rotting with the world! Your sweet savor is losing! But the Purifier is at hand. And know this: the prophet's vision is to become a reality in that day when "Holiness unto Jehovah" will be stamped upon the bridles of the horses, and upon every pot and pan in the kitchen.

But not yet. In all the relationships of life there are thousands of professing Christians who are not unlike the world. There is not vital distinction. Though Christianity has bettered the world, the world is yet to be unloved. Christians, there must be difference in our ideals, motives, and tendencies. There must be a difference in our homes, pleasures and business. Is the world deadening us or are we salting it? Am I a potter or clay? If only clay, I am being victimized by a corrupt environment. I am losing my taste. In the name of the Great Jehovah, the text calls us back to meditation, prayer, worship, and service.

"It is thenceforth good for nothing, but to be trodden under foot of men." Such insipid salt will put life into nothing. None of us want it. It is ready for the garbage can. However beautiful your knife is, if it did not cut, you would throw it into the junk. Saltless Christians, beautiful and pretty as are your garb and ritual, when you have lost your love for spiritual things and your zeal for your neighbors' interests, you cast yourself into the junk-pile of Gehenna to burn. "There shall be weeping and wailing and gnashing of teeth."

The original word spoken by the Master, meant "to play the fool." God can't use fools. Jesus hurled at the Pharisees, "Ye fools and blind." And the next word, the full of love and pathos, was "Behold your house is left unto you desolate." Stupidity and folly are yet leaving desolation everywhere. All careless Christians should bosom these words, "Have salt in yourselves and be at peace one with another." The fire on the altar is warm and reviving. Draw up your chair a little closer. There, now, is the old hymnal. The number is 144. Nothing mysterious, just "Nearer, My God, to Thee." Bring yourself under the influence of a heavenly fellowship, lest you have a name to live, but art dead. The spirit of Christ is salt for all of us. Amen.

BIBLE THOUGHTS

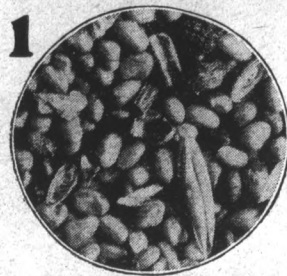
SHEW ME THY WAYS, O Lord; teach me thy paths. Let integrity and uprightness preserve me: for I wait on thee.—Psalm 25:4, 21.

THE LORD is the portion of mine inheritance and of my cup; thou maintainest my lot. The lines are fallen unto me in pleasant places: yea, I have a goodly heritage.—Psalm 16:5, 6.

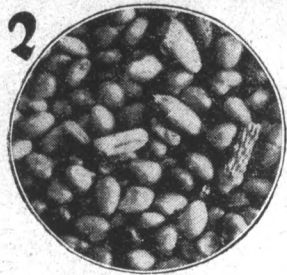
OF A TRUTH I perceive that God is no respecter of persons: but in every nation that feareth him, and worketh righteousness, is accepted with him.—Acts 10:34, 35.

TRUST IN THE LORD with all thine heart; and lean not unto thine own understanding. In all thy ways acknowledge him, and he shall direct thy paths.—Prov. 3:5, 6.

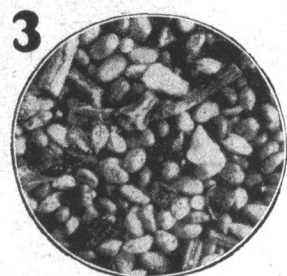
Your Neighbor's Clean Seed



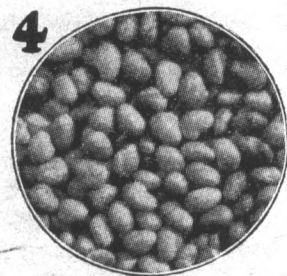
Circle No. 1 shows a magnified sample of a crop of Red Clover seed grown by W. E. Archbold on his farm in a Central State. He couldn't get a price to suit him for this seed in its raw state so he cleaned it over his own mill.



Circle No. 2 shows a sample of the seed after he cleaned it. Looks good, doesn't it?



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Circle No. 4 shows the re-cleaned seed.

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The Michigan BUSINESS FARMER

SATURDAY, JANUARY 16, 1926

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"The Farm Paper of Service"

BE AT M. S. C. NEXT WEEK

WE hope you haven't overlooked the fact that next Monday, February 1, is the opening day of Farmers' Week, at Michigan State College, East Lansing. A wonderful program has been planned and you really can not afford to miss it if you want to keep up to the last minute on your business. The various businesses all have their conventions to get together and learn the latest ideas in their business to help them make their plans for the future. Farmers' Week at the college is the farmers' convention. Also, you will be surprised at the number of old friends and former neighbors you will meet and have a good chat with. Let's go!

MORE MONEY FOR HIGHWAY

IT is not only possible but probable that Governor Groesbeck will call a special session of the Michigan legislature to take up several urgent questions, the most important being a way to provide more revenue for the state highway building program. During the last regular session of legislature it was decided that the state should stand the entire cost of the road building program, with no assistance from the counties, so the state must have more money for the highway fund, and rumors are that both the gas and weight taxes are to be increased.

We urge that the legislature consider very carefully the possibility of eliminating the weight tax and the annual license plates by increasing the gas tax and making the license plates permanent and good for the life of the car, as we have previously advocated here. Even many of the city papers that were against the gas tax when it was first proposed have written long editorials against the annual tax stating it is due at a time when taxes are being paid and when many city men are out of work. Making the only tax the one on gasoline would eliminate this trouble.

Before any change is made in the present gas and weight taxes we sincerely believe serious study should be given to this matter.

MICHIGAN GETS DAIRY SHOW

WORD was received at Detroit last week that the 1926 National Dairy Show would be held in Michigan's metropolis, the show to be held October 9-16 in the Michigan State Fair grounds if a satisfactory agreement could be reached between officials of the show and the state fair board.

This is about the most interesting information we have received in some time and we want to publicly congratulate those who have worked to bring the dairy show to Michigan. It was reported not long ago that the last show would have been held at the Michigan State Fair grounds if an invitation had been extended to the dairy association and the Governor expressed some concern over it, so there is little doubt but the state fair board will be in a very receptive mood for any proposition.

As one of the leading dairy states in the union Michigan has always been represented at previous shows and dairymen from this state have won high honors so it is quite in order that this national exposition should be held in

this state. And the fair grounds at Detroit are available for such use we understand and ample to take care of a crowd of 50,000 persons from United States and Canada usually in attendance. Again we congratulate those responsible for bringing the 1926 National Dairy Show to Michigan.

FAIRS TO COOPERATE

IN his annual report to the state association of fairs in session in Detroit recently Mr. A. C. Carton, director of the state bureau of agriculture, made some highly interesting suggestions that should be observed. Among them were the following:

"If your fair is located in a potato country, stress potatoes; in a fruit country, stress the fruit business, grading and packing; in a dairy country, push the dairy business.

"Have some place where exhibitors can trade or sell their hogs, sheep or poultry in the grounds.

"Provide rest rooms for the farmers' wives, and care for the younger children while mother is in the fair.

"Furnish clean, convenient places to eat, clean tables and linen.

"Eliminate gambling.

"Do not regard the fair as a money-making institution. If not educational it has no excuse for existence.

"Fair grounds should be available for public use the year around.

"Some central agency should license all amusements.

"Fairs will classify themselves, whether as agricultural exhibitions, carnivals or horse races.

"County supervisors have great possibilities for aiding in the upbuilding of county fairs and placing them on a high standard."

Also he declared "The State Fair should occupy the same position to the local fairs as the University or State Normal does to high schools of the state. There should be a co-ordination of all fair interests in Michigan, and the local managers of fairs should in every way assist the State Fair managers in making the Michigan State Fair the biggest in the United States."

We agree with Mr. Carton. The best in the county should be on exhibit at the county fair, and the blue ribbon winners should in turn go to the State Fair to compete with the best from other counties. Using the school idea, a blue ribbon from the county fair can be compared to a high school diploma and a blue ribbon from the Michigan State Fair to a degree from the University or State Normal. To do this it will be necessary to hold all county fairs previous to the State Fair but we feel sure this can be done without much trouble.

It is only through the cooperation of all interests than any fair is a success, and the State Fair managers need the help of the county fairs, while the State Fair can also be of great assistance to the county fairs. Let us hope all will cooperate to make Michigan's fairs, both county and-state, the best in the country.

The Business Farmer Editorial Ballot

Below we are listing several features or departments in The Business Farmer with square opposite in which we will appreciate your indicating by number the ones you read regularly in the paper in the order of their importance. That is, if you like the serial story best, write the figure 1 in the square opposite that feature, the next choice should have the figure 2 in the square in The Business Farmer with a square opposite in which are desired may be written in the blank spaces. This ballot will be published for several issues so that each member of the family may vote his or her preference. When the children vote their preference they should give their age, also Be sure to sign your correct name and address and mail to the Editor of The Business Farmer, Mt. Clemens, Mich. Thank you.

- Feature Articles, Picture Page, Broadscope Farm, Service Bureau, Soils and Crops, Sermon, Radio Department, Serial Story, Handy Hiram, Where Readers Live, What Neighbors Say, Editorials, Publisher's Desk, The Farm Home, Children's Hour, Dairy and Livestock, Veterinary Dept., Poultry Department, Farm Mechanics, Fruit and Orchard, Harry Vetch, Markets, Weather Forecasts, Agricultural News

Remarks:

Name Age.....

Address

VISIONS AND DREAMS

ONE vital element seems to be overlooked by those who are devising plans to dispose of agricultural surpluses. They are always planning to establish some agency which can handle the surplus, whereas what is needed is an outlet for it. There are plenty of agencies now by which a surplus of any product may be handled provided there is need for it, either at home or abroad. The idea that products may be exported, either by a government agency or some other agency, and sold abroad regardless of the foreign demand for them is a fallacy. If they are sold at all they must be sold at a price which induces the foreigner to invest in them, which is necessarily a money-losing operation or the products would have moved out in the natural course of trade. That loss must be made up somehow. Thus far nobody has found any feasible way of doing it. A government appropriation to balance it is folly, and so is the expectation that all producers will pay an assessment to balance it. How long would the consuming public tolerate any government agency which enhanced the price here at the expense of the taxpayer? And how long would it take our energetic producers to create bigger and still bigger surpluses if the prices were artificially made attractive? The idea that some government agency, or some cooperative agency, or some combination of the two, can dispose of surpluses at prices which are profitable to producers is an iridescent dream. Surpluses will always affect prices the same way; if not they are not real surpluses. And there is no way to get rid of a real surpluses except at prices in proportion to the magnitude of it. Some things may be done in opening new markets, in promoting consumption, in discovering new uses for the product, and possibly in other ways; but in all these the price is an important consideration. These stern facts are not so attractive as the visions of the dreamers, but facts cannot be ignored in the final analysis of any problem.—The Stockman and Farmer.

RADIO MARKET REPORTS HELP FARMERS

THE state railroad board of North Dakota recently received a rather unusual complaint.

The complaint stated farmers owning radio receiving sets could listen in on the markets as broadcast from different stations and receive faster returns than the elevator operator. If prices declined he could sell his stored grain before the elevator operator learned of the price change. The board admitted it was rather a difficult situation for the elevator man but could not see how they could do anything about it.

This means that the farmer is getting last minute information on the markets of the greatest importance to him so that he is prepared to sell his products knowing what they are worth. The farmer who owns a radio doesn't need to be fooled about prices for farm products any more because most complete reports are broadcast daily from many stations. M. B. F. market reports are sent out through WGHP.

We would advise that the elevator operator get a receiving set.

HOARD SOME CORN

AN ample reserve of corn on any farm may be worth more than the market value of the grain. It may mean an opportunity to profit by feeding. It may be an insurance policy against unfavorable weather for the next crop. Not all corn-growers are in a position to establish a reserve of their own, but some of them are and they will find it a very comfortable thing to have around. Those who can do so should save a substantial amount of the ample yield of 1925 until something definite is known about their crop in 1926. Few if any farmers have ever gone broke saving cheap corn from a big crop for future use or sale.

AGRICULTURAL DAY

LEADING organizations representing agriculture and allied interests have proposed that the President set aside a day to be observed as Agricultural Day, not a legal holiday, but a day set aside for the public to consider and appreciate what the farmer does for the country. Agriculture is the foundation of the nation and perhaps such a day might do some good. The idea sounds good and we endorse it.

PETER PLOW'S PHILOSOPHY

I sure couldn't miss attendin' Farmers' Week at the College. Why the talks I have with different folks are worth all it costs to attend, so the ideas I get from the talks by different speakers and the exhibits of things are all clear profit.

PUBLISHER'S DESK

THE DOTTED LINE

By Edgar A. Guest

"All you have to do is sign Here upon the dotted line," Smilingly he said to me. It was done so easily, Just a drop of ink, and then Just a flourish with my pen. Now a month has flown away, And I have a note to pay.

Came another, just as he Smiled and talked so affably, So he told of friends of mine Who had signed the dotted line, And I joined them, there and then, With my ready fountain pen. That was but a month ago, Now another month I owe.

Weak was I. My eager fist Dotted lines could not resist. All they had to do was say: "Nothing now you're asked to pay, Never mind the printing fine, Sign upon the dotted line! Do not read the contract through, We'll drop in when payment's due."

But for sad experience I'm getting better sense; Fountain pens and dotted lines Now for me are terror's signs. Now I read the printing small Which I seldom read at all, Read it through before I sign Boldly on the dotted line.

Children, from your daddy's plight, Learn to read and learn to write, Both are arts you'll surely need, But I beg you, learn to read! Writing has its pleasures, too, Which I'd not deny to you, But with dotted lines in sight, Learn to read before you write.

(Copyright, 1925, by Edgar A. Guest.)

EXPERT WARNS REGARDING USE OF GLAND MEDICINES

"NO person should attempt to reduce by means of thyroid tablets without being under observation of a reputable physician and it should never be tried by one who does not know the dangers of the drug."

This was the statement of Dr. Carleton J. Marimus of Detroit in his address on gland therapy or endocrinology before physicians of western Michigan at Grand Rapids recently.

"The habit of giving obese patients excessive doses of thyroid to reduce them is distinctly harmful," he said. "It does reduce, but the patient is seriously and permanently affected. Nervousness and lasting injury to the heart muscles are some of the penalties. These risks people take to avoid sacrifices of proper dieting."

"Monkey gland rejuvenation operations are devices of the quack and utterly without value. They should not be confused with gland therapy or endocrinology, which is a branch of internal medicine."

"Gland therapy has lost repute because gland cases usually do not come to the attention of a physician until late. Then treatments often are taken only for a month or two, which of course cannot cure."

"MOVED, LEFT NO ADDRESS"

"I received the enclosed hand-bill of 'Frank's Bargain House', of Chicago, Illinois through the mail and as they offered at bargain prices several articles I needed I sent them an order amounting to \$10.65, enclosing money order for that amount. After waiting for two weeks and not receiving my order I investigated and found the order had been cashed, so I wrote them and my letter was returned to me

with "Moved, left no address" stamped across the front of it. What can be done to get my money?"—W. H., Arenac County.

NOTHING can be done to get your money back. We will wager that we can just about guess the entire history of "Frank's Bargain House." The man back of this company rented a small office or desk space and then had a large quantity of bills printed giving the address as his place of business. These bills were mailed to people who lived hundreds of miles away from Chicago, so they were not familiar with the location but believed it to be a large, well-established business, an impression he was very anxious to create. After a few days the orders began to come in and he kept busy cashing checks and money orders with no thoughts of filling orders. It would be a matter of ten days or two weeks after the first orders arrived before any complaints about non-receipt of goods would be received so he had ample time to make a good clean-up and leave for parts unknown. That's just what he did, and right now he may be enjoying nature's sunshine and real estate salesmen's hot air in Florida or California, going under an entirely different name.

GOT MONEY FOR ASTERS

"Just a line to let you know I received a check and statement from Company today. Was well pleased with the returns of \$22.93 for the 1,600 asters. Now I know I would never have gotten it if it was not for you. If ever I can do anything for you let me know, and thanks many times for the excellent service."—F. F., Emmet County, Mich.

LAST September this subscriber shipped two lots of asters—one of 600 and the other of 1,000 to a certain wholesale florist in Chicago. Other companies sent him checks by return mail, but this company did not even acknowledge the flowers, so he wrote them but received no reply. Then he came to us and we got busy. It took three letters and the last one was sent registered, before we finally got a reply and they advised they had mailed our subscriber his check. In the same mail we received the above from our subscriber.

SWOBODA ISM

A SUBSCRIBER sends to us some literature he received from Alois P. Swoboda, of New York City, with the statement, "Sounds like bunk." He thinks we should tell folks something about this man and his "Swoboda ism."

We have read his literature and are still doubtful as to its great value, although he does declare "Swoboda ism is guaranteed to give a new 'thrill' and 'fire' or triumph, setting the personality 'affame' with new and greater life—a 'passion' unsurpassed." Reading on we learn that "this new life and new secret pleasure" once cost \$20 but now it can be had for only \$2.95 plus a few cents postage. That is cutting prices, isn't it? Well, not only does he make the sacrifice in price but he throws in the "Three Priceless Secrets—'Secrets Worth Millions.'" These secrets are: No. 1: "The Subtle Principle of Success"; No. 2, "How to Induce Others to Do for You as You Desire"; No. 3, "How to Immediately Change from Worry to Happiness." And another wonderful secret given you with the above is "The Message of Great Importance" and the whole lot is delivered at your door "for \$2.95 plus postage."

Swoboda had an opportunity to try out his secret, "How to Induce Others to Do for You as You Desire" a few years ago when he sued the Rural New-Yorker for something more than a half million dollars, alleging libel, but it didn't work to his advantage at all. Judge and jury decided against him.

A doctor once told me if there was just one home remedy he could keep in the house he would say camphor. And if there was only one paper we could take it would have to be THE BUSINESS FARMER.—Mrs. M. E. K., Grand Ledge, Michigan.



Current Issue now being offered Barlum Hotel, Detroit, Mich.

The substantial qualities of the first mortgage bonds recommended by this institution for farmer investors are precisely those required by the sternest judges of safe investments.

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Read what these men are doing—here is your big chance to get "on easy street." Come to these great shops on the biggest SPECIAL offer ever made.

Big Firms Need Trained Men

The Auto and Tractor Business is on the boom. Thousands of trained men will be needed during the next few months. I get calls every day from Garages, Battery Stations, Auto Repair, and other successful concerns for McSweeney men. When the big fellows need high grade men they know where to come for them. They want McSweeney trained men.

My Training Unusual

Scientific tool training—that's the secret. You do things here according to the latest engineering standards. Thousands of dollars have been spent in modern tools and equipment. You'll know a motor like a brother. That's why my men are at home with the biggest shops in the country. If you want to succeed the way Smith, Collins and the rest have—qualify by the same method.

I'll Pay Your Railroad Fare and Board You!

In order to fill the openings that now exist, I am making an offer no one has ever made before—FREE RAILROAD FARE, FREE BOARD. But even that is not all. I'll tell you about the rest in my letter.

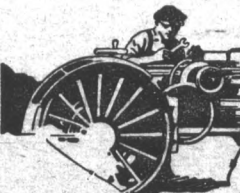
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George W. Smith runs a big Ford Agency and Repair Shop at West Alexandria, Ohio. He says, "I am clearing over \$300 per month."



C. H. Gillespie has charge of a fleet of trucks and tractors with the State Highway Commission, due to McSweeney training.



D. M. Collins, Williamsville, West Virginia, writes, "After finishing McSweeney training, I started in as manager of a garage at \$300 per month."



McSweeney Auto, Tractor and Electrical Training Shops, Dept. 249 (Address shops nearest you.) Cincinnati, O., or Chicago, Ill., or Cleveland, O.

Without any obligation send me your big free book on Autos. Also information regarding special temporary offer.

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 Street _____
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The Collection Box

The purpose of this department is to protect our subscribers from fraudulent dealings or unfair treatment by persons or concerns at a distance.

In every case we will do our best to make a satisfactory settlement or force action, for which no charge for our services will ever be made, providing:

- 1.—The claim is made by a paid-up subscriber to The Business Farmer.
- 2.—The claim is not more than 6 mos. old.
- 3.—The claim is not local or between people within easy distance of one another. These should be settled at first hand and not attempted by mail.

Address all letters, giving full particulars, amounts, dates, etc., enclosing also your address label from the front cover of any issue to prove that you are a paid-up subscriber.

THE BUSINESS FARMER, Collection Box Mt. Clemens, Mich.

Report ending January 23, 1926

Total number of claims filed	2772
Amount involved	\$28,363.91
Total number of claims settled	2277
Amount secured	\$26,057.20

SHADDERS

By Anne Campbell

Shadders on a country road!
They are fearsome things,
Reachin' on to your abode,
Make your feet hev wings.
In the corner of the fence
Heavy-like an' black;
When the moon is hid, so dense,
Skeers you, fur a fac'!

Sich a little figger, you,
Underneath the sky,
Makes me smile to think you grew
Bigger lots than I.
If the night came on too soon
Ere you left our place,
Underneath the country moon
Walked with you a pace.

Never liked the shadders! Oh,
How you used to run;
With your heart a beatin' so
You wuz nearly done,
When you turned inside the door
To the welcome light,
You wuz plumb beat out fur shore,
As you said good-night.

Well, you've seen some shadders, sense
We were walkin' so.
Shadders ugly an' immense.
Life kin make 'em grow!
But as long as we can keep
Lamps a burnin' high,
We kin flee the shadders deep,
Cant we? You and I?
(Copyright, 1925.)

PNEUMONIA

PNEMONIA is a disease which attacks the lungs.

The lungs are organs of breathing which are placed for safe keeping under a shield of bone called the ribs. To have such strong protective walls you can imagine that the lungs are exceedingly delicate organs which are essential to life. This is true, for without this delicate breathing apparatus no human being could exist.

When germs are taken into the lungs with the air which is breathed, they may give rise to trouble. A particular kind of germ may cause tuberculosis. Another and different variety may cause "pneumonia". The pneumonia germ starts an inflammation in the lung tissue just as a germ can cause inflammation in an infected finger.

January is a month in which pneumonia is prevalent and it would be well to know how to avoid it. Since changeable weather makes it difficult to dress warmly enough, or to guard against being too warmly dressed, changeable weather is more apt to bring pneumonia than a long steady cold "spell." There lies one warning. Be careful to dress comfortably and seasonably. Don't get wet feet, and don't dance until overheated and then step outdoors without wraps to cool off. Sudden chilling of the body is dangerous.

This disease may attack young or old, and the strong men and women are not entirely safe from its attack. Those who have been "run down" are more liable to it however. It pays to keep in good health, to avoid any excesses, particularly that of alcoholism. One who has influenza, and a child who has measles, or other illness, should be carefully guarded against a late development of pneumonia.

A doctor should be sent for as soon as any signs of illness are noticed and careful treatment started at once, for life may depend upon doing the right things early. The handling of the patient is exceedingly important in pneumonia and rest, fresh air and proper food is essential.—Dr. B. S. Herben.

PORK CANNING

The cold pack method of canning offers a happy solution of the meat preservation problem. Canned meat is a very palatable variation in the diet. It is economical of time and fuel. The following method may be used for cold packing meat.

After the meat has been thoroughly cooled, cut into small pieces and remove gristle, large bones and excess fat. Pork chops may be canned whole, either with or without the bone.

Pre-cook pork 5 minutes and then pack solidly in hot jars to within $\frac{3}{4}$ inch of the top. Add 2 teaspoonsful salt to each quart, place on the rubber and lid and make a partial seal. Process 3 hours in water bath or 2 hours under pressure of 5 to 10 lbs.

Cut the meat into convenient pieces for handling, then roast, bake broil or stew until three-fourths

The Farm Home
A Department for the Women

Edited by MRS. ANNIE TAYLOR

DEAR FOLKS: I sincerely doubt if there is a subject that is of greater interest to farm mothers than the one of keeping the young folks on the farm; in fact, I believe they are more concerned over the problem than the fathers, because they are usually closer to their children, sharing their joys and troubles from babyhood. This is one of the most serious problems there is to solve today and nearly everyone has a different solution. What are your ideas on the subject? Remember, one person's opinion is as good as another's, and by taking the best ideas each has and putting them together we may be able to help solve the problem.

Everyone has a little extra time these long winter evenings they can spend doing some writing and reading that has been put off for months, so let us start a good lively discussion in this department right away.

Your Friend,
Mrs. Annie Taylor

Address letters: Mrs. Annie Taylor, care The Business Farmer, Mt. Clemens, Michigan.

done. Remove gristle, large bones, and excess fat. Pack solidly in hot jars to within $\frac{3}{4}$ inch of the top, add 2 teaspoonsful of salt to each quart. Fill jars with stock to within 2 inches of top, place on rubber and lid and make partial seal. Process 1 $\frac{1}{2}$ hours in water bath or 40 minutes under pressure of 5 to 10 pounds.

Fresh meats or sausage may be kept for considerable time if fried down, that is fried and placed in stone jars in layers and covered with hot lard.

LINEN INVENTORY SHOWS
UP NEEDS

THRIFTY housewives find many real bargains in household linens at the January white sales. Some take an inventory of their linen closets to find what they need so they may take advantage of the sales as soon as they are advertised.

The size of the beds is an important consideration in buying bedding. Beds with box springs usually need extra long sheets, but all sheets should be long enough to tuck in firmly at the foot and to turn well over the blanket at the top. To be comfortably safe, sheets should be 108 inches long. The standard widths for sheets are 54, 63, and 66 inches for single beds, 72 and 81 inches for three-quarter sizes and 81 or 90 inches for double beds.

Bargains in table linens can often be found in the natural and colored linens as well as in the white. The colored luncheon sets are particularly attractive for breakfast, luncheon, and supper and are much easier to launder than damask table clothes and napkins.

Towels are another item that may need consideration. If there are many men in the family they may prefer small size Turkish towels in place of ordinary hand towels. Some stores supply at a low price a satisfactory grade of wash cloths which may be chosen in different colors to suit the tastes of the family members.

FREEZING RUINS MILK AND
TIME INCREASES DAMAGE

FREEZING has a decidedly injurious effect on milk and cream, as nearly every housewife has observed.

But it is not commonly known, says the dairy department at Rutgers University, that within certain limits the longer milk or cream remains frozen the more pronounced the bad effects become. The fat rises and is partly churned and the casein appears in flakes. Such milk or cream is not as readily digested as an unfrozen product and does not keep as well.

Milk that has been frozen is unsuitable for making junket and, like frozen cream, is almost useless for coffee. If either is placed in coffee the fat rises as a disagreeable oil and the casein remains in fine flakes, refusing to give the drink its desired "creamed" appearance. This frequently results in unjustified criticism of the dairyman.

Much of the difficulty can be prevented by having a covered box where the milkman can leave the bottles. Unless the weather is very severe this will delay freezing for

several hours. An increasing number of dairy companies are changing their winter schedule so that deliveries are made during the daytime.

USE HOMEMADE SOAPS; THEY
ARE INEXPENSIVE

SOMEONE has said that the civilization of a country is known by its soap bill.

Soap is not only a cleaner but also a disinfectant. It is made by combining animal or vegetable fats with an alkali such as soda or potash lye. Homemade soaps are not expensive and neither are they hard to make. Here is a good recipe. One pound can of lye, dissolved in 3 pints of cold water; 5 pounds fat, melted; 1 $\frac{1}{2}$ tablespoonsful of borax; $\frac{1}{2}$ cupful of ammonia, added to the lye mixture when cold.

When the lye mixture is cooled, add it to the fat. Stir until as thick as honey then pour into molds. Set away to harden. Care must be taken in handling the lye mixture. It is well to put a paper bag over the hand while stirring. Stir lye mixture with a stick.

Do not use tin or aluminum utensils for making soap. All soap should stand in a moderately warm temperature until hard and then it may be cut into cakes. Homemade soap should stand for several weeks before using, thus giving the water time to evaporate so that the soap will not dissolve so rapidly.

Personal Column

Who Cans Pumpkin?—I am writing asking a question for your page in the paper. It is, can anyone please give me a recipe for canning pumpkin so it will keep? Thanks to the one who answers it.—Mrs. P., Portland, Mich.

Cleaning Ivory.—Will you please advise through the Personal Column something to take spots off ivory?—Mrs. N., Lakeview, Mich.

—I believe, the following on ivory and bone bleaches from Henley's Twentieth Century Book will help you:

"If simply dirty, scrub with soap and tepid water, using an old tooth or palm brush for the purpose. Grease stains may be sometimes removed by applying a paste of chalk or whiting and benzol, covering the articles so that the benzol may not dry too rapidly. Carbon disulphide (the purified article) may be used in place of benzol. When dry, rub off with a stiff application, repeat the process. Delicately carved articles that show a tendency to brittleness should be soaked for a short time in dilute phosphoric acid before any attempt to clean them is made. This renders the minuter portions almost ductile, and prevents their breaking under cleaning.

"The large scratched brush should be treated as follows: If the scratches are deep, the surface may be carefully rubbed down to the depth of the scratch, using the finest emery cloth, until the depth is nearly reached then substituting crocus cloth.

"To restore the polish nothing is superior to the German putz pomade, following by rubbing first with chamois and finishing off with soft old silk. The more "elbow grease" put into the rubbing the easier the task, as the heat generated by friction to lend a sort of ductility to the surface. To remove the yellow hue due to age, proceed as follows. Make a little tripod with wire, to hold the object a few inches above a vessel containing lime chloride moistened with hydrochloric acid; put the object on the stand, cover the whole with a bell glass, and expose to direct sunlight. When bleach-

ed, remove and wash in a solution of sodium bicarbonate, rinse in clear water and dry.

"Like mother-of-pearl, ivory is readily cleaned by dipping in a bath of oxygenized water or immersing for fifteen minutes in spirits of turpentine, and subsequently exposing to the sun for three or four days. For a simple cleaning of smooth articles, wash them in hot water, in which there has been previously dissolved 100 parts (by weight) of bicarbonate of soda per 1,000 parts of water. To clean carved ivory make a paste of very fine, damp sawdust, and upon this the juice of one or two lemons, according to the article to be treated. Now apply a layer of this sawdust on the ivory, and when dry brush it off and rub the object with a chamois."—Mrs. A. T.

Answering Mrs. W's Request.—In reply to the request for marshmallow filling receipt from Mrs. W., I offer the following recipe for pink marshmallow frosting. One cup sugar, $\frac{1}{2}$ cup water, 2 whites of egg, 1 teaspoonful lemon juice, and 11 marshmallows. Put sugar and water in saucepan and bring to boiling point. Beat egg whites until stiff, adding gradually and one at a time 5 table-spoonfuls of the boiling syrup, beating constantly. When syrup spins a long thread add remainder very slowly to eggs and continue beating. Then add lemon juice, pink color paste and marshmallows cut in halves. Place over hot water and stir until it begins to get sugary. Hope you find this good.—Mrs. G. A. Hause, Bay County.

—if you are well bred!

The Church Surroundings and Arrangements for Wedding—Flowers.—The floral decorations are usually a feature of every church wedding, even the most simple. There are no rules for their arrangement, and they may be simple sprays of blossoming dogwood, wild flowers or autumn leaves, or hot-house products whose cost (at very elaborate weddings) may run into the thousands. As a rule an effort is made to concentrate the floral display about the altar at the chancel ends of the reserved pews.

The Music.—All the details of the musical part of the service should have been settled at the rehearsal. As a rule the organist plays the "Bridal Chorus" from "Lohengrin" for the processional, and Mendelssohn's "Wedding March" for the recessional.

The Reserved Pews.—The reserved pews on both sides of the centre aisle, the pews lying inside the white ribbons which fence them off from the others may be four to a score in number, according to the number of relatives expected to fill them. The bride's relatives occupy the pews on the left, the bridegroom's those on the right. The reserved pew ushers should be, respectively, relatives of bride and of bridegroom, since then they are most likely to recognize guests with a claim to the "family" pews.

Reserved Pew Precedence.—There is no very rigid rule of seating precedence with regard to reserved pews. Of course, the members of the immediate family of the bride and groom always occupy the first and (if necessary) the second pew on either side. But, save for the fact that the parents of the bride and of bridegroom must always sit in the first pew on their side, there is not much stress laid on precedence, once the members of the immediate family have been seated.

The intimate personal friends and, of course, more distant relatives of the bridal pair are ushered into the pews without distinction. In simple weddings, the "pew cards", etc., of the elaborate wedding fall away.

The House Arrangement.—The arrangements for a house wedding may be quite simple or very elaborate. This holds good of floral decorations, music and other accessories. Where the bridal procession files up a long hall or loggia to reach the room in which the ceremony is to be held, white wooden standards, to which sprays of flowers are tied with white satin ribbons, lend a touch of churchly dignity. In the home wedding, too, the floral display usually centers about the improvised altar or spot where the pair are actually united in wedlock.

Who Pays for What at a Wedding.—Whether King Copethua marry the beggar maid or the daughter of Croesus a man of slender means, the expenses of a wedding are apportioned according to rules rigidly observed. The member of a bride's family who is her nearest of kin—her father, brother, uncle (or guardian, who stands to her in her loco parentis, "in the place of a parent," to use the legal phrase) assumes all the wedding expenses. The expenses of the bridegroom are merely incidental personal ones, and a few definite gifts which he makes in connection with the ceremony itself.

The Runner's Bible

(Copyright by Houghton Mifflin Co.)

Thou shalt increase my greatness, and comfort me on every side.—Ps. 71:21.

Behold, now is the accepted time; behold, now is the day of salvation.—2 Cor. 6:2.

Never speak of an opportunity being lost. There is no such thing. All possi-

bilty awaits you NOW. The law of Good, like gravity, operates constantly for everyone, and nothing one can do can change its activity, which is perfect; but we can interfere with its activity in our behalf with such obstacles as self-righteousness, false pride, hatred and other evils.

Recipes

Boston Brown Bread.—Two cups each of corn meal and graham flour, one cup each of white flour and brown sugar. Mix these together and stir in two cups of raisins until well floured. Then add three cups of buttermilk, two rounding teaspoons soda and one and one-half teaspoons salt. Steam two hours and bake one-half hour.—Mrs. S., Traverse City, Michigan.

Sponge Cake.—3 eggs, 1 cup granulated sugar, 4 tablespoons of cold water, 1 1/8 cup of flour, 1 teaspoon of baking powder and flavoring. I use three eggs, but I save the white of one for frosting. Beat the eggs until real light with egg beater, add water and sugar and then flour sifted with baking powder and add flavoring last and beat well. Bake in tube or square pan.

Frosting.—1/2 cup brown sugar, 1/2 cup white sugar, 3 tablespoons water, cold, and 1 egg white which you saved when mixing your cake. Don't beat the white, just put it in top part of double boiler with sugar and water and begin to beat with an egg beater and continue until it is quite thick. Remove from over hot water and heat until can be spread on cake.—Mrs. W., Big Rapids, Mich.

Corn Light Bread.—Dissolve half yeast cake in a teacupful warm water, mix with flour into a thin batter, and let stand three hours in a warm place. Bring a pint of water to a boil, stir in one teacupful cornmeal and cook a little as for mush. Turn into a bowl, add one-half cupful molasses, one-half teaspoonful soda dissolved in hot water with a little salt; stir well together, let stand until cool enough to receive the yeast batter, mix well with the mush, then add all the meal you can stir in with a spoon, stirring well. Put in breadpan, leaving one-fourth space to rise, wet a spoon with cold water and smooth surface. Place in a warm place over night; in the morning bake in an oven a little hotter than for wheat bread, for one hour. It will come out light and tempting.

Yeast Salt-Rising Light Bread.—Put to soak in a cupful of lukewarm water one

cake of any good yeast. To one pint of scalding water add one level teaspoonful salt and three of sugar; stir in meal to make medium stiff mush, and when cooled to blood-heat, stir in soaked yeast cake; cover and set in warm place to rise. When mush is light, add one teaspoonful salt, three of sugar and three pints of warm water; stir in flour to make stiff batter. Put jar or bucket of batter in large vessel of warm water, cover with cloth and keep in warm place till yeast is light and foamy. Pour into pan of flour, into which has been rubbed one-fourth cupful lard. When all the yeast has been poured into the flour, rinse the jar with a cupful water into which has been added one-half cupful sugar, pour in pan and make a stiff dough. Mold into loaves, put into greased pans, grease top of loaves, put in warm place to rise and when loaves are twice their original height, place in oven and bake three-fourths of an hour.

Homespun Yarn

Using both sides of a broom equally prolongs its usefulness.

Moving the china closet to the kitchen side of the dining room may cut off dozens of steps each day.

A strip of unbleached muslin may be attached to one end of a short blanket to make it stay in at the foot of the bed.

Tightening the hinge screws will frequently take the sag out of doors that stick.

Aunt Ada's Axioms: Salvation may not lie in toothbrushes, but a healthy body helps make a healthy mind.

Winter is the time to use the tomatoes that were canned last summer, and three times a week isn't a bit too often.

A cold lunch in a drafty school-room, with outdoor temperatures around zero, is not very appetizing.

A good plain cake recipe may make many kinds of cake. Vary the recipe by adding coconut, chopped nuts, raisins and citron, spices, or dates to the batter before baking it, and see how the family likes it.

Before punishing a child, it is well to find out whether the misdeed was intended or accidental. If it was accidental, it should be treated as a mistake to be corrected and not as a crime for which to be punished.

AIDS TO GOOD DRESSING

BE SURE AND SEND IN YOUR SIZE

5349. Natty Suit for Growing Boy.—Serge, wool mixtures and corduroy may be used for this design. The Pattern is cut in 4 Sizes: 8, 10, 12 and 14 years. A 12 year size will require 2 1/2 yards of 54 inch material.



5339. For Woman of Mature Figure, with Slender Hips.—Percale, gingham or linen also tub silk or rep could be used for this model. The Pattern is cut in 9 Sizes: 38, 40, 42, 44, 46, 48, 50, 52 and 54 inches bust measure. A 42 inch size will require 4 1/2 yards 36 inches wide if made of one material. If made as illustrated, in the large view, it will require 4 yards of one material and 1/2 yard of contrasting material. The width of the dress at the lower edge is 1 1/2 yard.



5336. A Practical Garment.—Rep, drill, or linen or cambric may be used for this model. It could also be developed in gingham. This style has simple lines and is very comfortable. The Pattern is cut in 7 Sizes: 34, 36, 38, 40, 42, 44, and 46 inches bust measure. To make Cap and Dress for a 38 inch size will require 4 1/2 yards of 36 inch material. The Cap alone requires 1/2 yard. The width of the Dress at the lower edge is 1 1/2 yard.



5343. Child's Dress.—Cut in 4 Sizes: 4, 6, 8 and 10 years. A 6 year size requires 1 1/2 yard of 36 inch material with 1/2 yard of contrasting for band cuffs, and facings on collar and belt portions.



5351. Ladies' Jacket Blouse.—Cut in 7 Sizes: 34, 36, 38, 40, 42, 44 and 46 inches bust measure. A 38 inch size made as illustrated in the large view requires 2 1/2 yards of one material 40 inches wide, and 3/4 yard of contrasting material to face collar, hip bands and cuff turn-overs.



5334. A Dainty Under Garment.—This model is a combination of vest and drawers. The drawers portions are reinforced at the inner leg seams. Nainsook, cambric, crepe or crepe de chine could be used for this model. The Pattern is cut in 4 Sizes: Small, 34-36; Medium, 38-40; Large, 42-44; Extra Large, 46-48 inches bust measure. A Medium size requires 2 yards of 36 inch material.



5391-5393. A New Suit for Your Boy.—This suit comprises a Jacket, Vest, and Trousers that may be long or short. Broad cloth, wool mixtures, velveteen as well as linen and beach suitings are good material for this model. The vest and Jacket are included in one Pattern 5391. It is cut in 5 Sizes: 6, 8, 10, 12 and 14 years. The Trousers, Pattern 5393, are cut in 5 Sizes: 6, 8, 10, 12 and 14 years. To make the suit for a 10 year size will require 3 1/2 yards of 54 inch material if made with long trousers. With short trousers 3 yards will be required.



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Address all orders for patterns to Pattern Department THE BUSINESS FARMER Mt. Clemens, Mich.

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—because it possesses more than ordinary leavening strength. One spoonful equals two of many other brands. Goes farther.

—because it is sure—does away with all failures—prevents waste of flour, sugar, eggs, butter and other baking materials.

Always produces pure, properly raised, wholesome food. Every ingredient used officially approved by U. S. Food Authorities.



CALUMET THE WORLD'S GREATEST BAKING POWDER

SALES 2 1/2 TIMES THOSE OF ANY OTHER BRAND

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Dangerous sickness often starts with a cold. Ward off your colds with Musterole before pneumonia starts.

Musterole is a clean, white ointment made with oil of mustard. It has all the healing properties of the old-fashioned mustard plaster without the blister.

At the first sneeze take Musterole from the bathroom shelf and rub the ointment gently over congested spot.

It penetrates the skin and goes right down to the seat of the trouble.

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The Musterole Co., Cleveland, Ohio Jars & Tubes



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Vicks VapoRub. When it is rubbed over throat and chest at bedtime, Vicks acts in two ways at once:

(1) Direct to the inflamed air passages with its medicated vapors, released by the body heat; and

(2) Direct through the skin like an old-fashioned poultice, "drawing out" the tightness, soreness and pain.

Head or chest colds may easily sap your vitality and undermine your health. Don't neglect them.

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Before churning add one-half teaspoonful to each gallon of cream and out of your churn comes butter of Golden June shade. "Dandelion Butter Color" is purely vegetable, harmless, and meets

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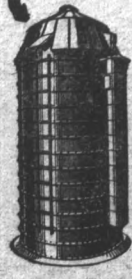
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WRITE US REGARDING THIS BIG REDUCTION FOR EARLY ORDERS -BUY NOW-PAY LATER



Following products made of rust resisting ROSSMETAL copper content: Silos, Ensilage Cutters, Cribs, Bins, Feed Grinders, Garages, Brooder Houses, and all Purpose Buildings. Check items you are interested in and write today for prices. Agents Wanted.

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The Children's Hour

Motto: DO YOUR BEST
Colors: BLUE AND GOLD

My dear Uncle Ned:—I was glad to hear from you and I am glad to write you. I am eleven years old. I live on a two-hundred-acre farm. I help my father do lots of work. I help pick small fruits. We also have lots of cows. We run a dairy and sell milk in South Haven. I have a large collie dog. He and I go and get the cows every night. I also help father gather sap in the woods as we have a large sugar bush. I can drive the horses on the farm anywhere. I can milk too and also can drive my father's Dodge car. When we bring up little calves from the river pasture I drive and my father leads the cow. I have a fine boat in our river pasture. I have lots of fun fishing. I go to school every day. I have two miles to go, but I have a fine horse to ride. His name is Beauty. I like my school and also my teacher. I am in the fifth grade. I have no brothers or sisters to play with, but I have lots of pals. I have some fine pets, cats and lots of pigeons. I go with my father and mother to many places where I sure have some fun. I guess I had better stop. I love to write stories as we do lots of it in school. I am glad I am in your circle. Hoping to have good luck, I am your friend.—Harold McKay, R5, Box 124, South Haven, Michigan.

—You must be a happy boy, Harold, to have so many things to do, and a great help to your father. Send me some of your stories for our page.

Dear Uncle Ned:—I am twelve years old and in the seventh grade. I have one and one-fourth miles to go to school. I have a lot of pets. I have one dog and four cats. My father is blind and has been blind for two years. I like my teacher very well. There are nine scholars in our school. The grades second and fourth, and sixth and seventh. I have blue eyes and light brown hair and am five foot tall. I will write an

answer to every letter I get.—Doris Hoodley, Benzonia, Michigan.
—I am very sorry to learn your father is blind. I suppose you are his "eyes" now and help him all you can.

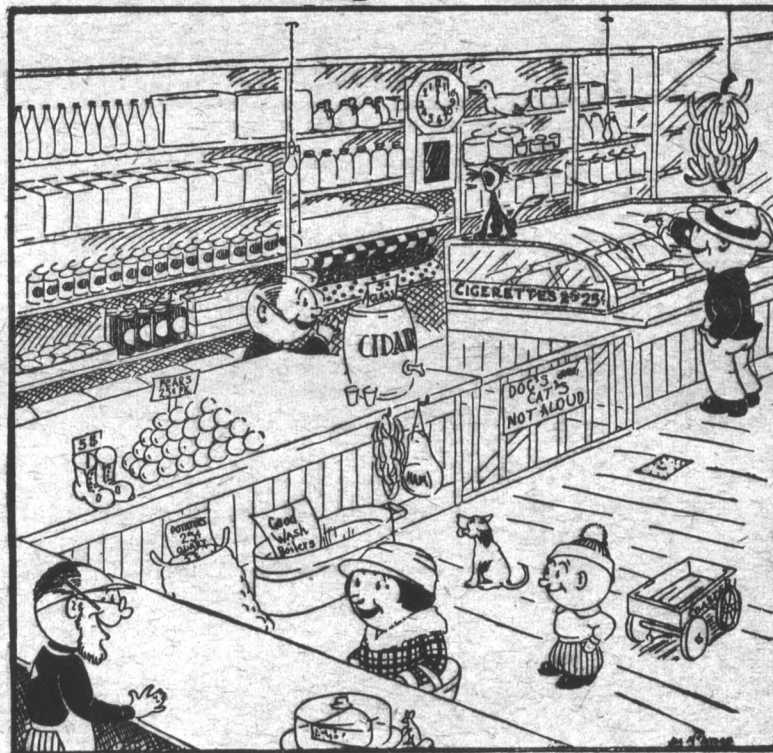
Dear Uncle Ned:—I have never written before. I want to enter your merry circle. I live on an eighty acre farm. I have brown hair and blue eyes. I am eleven years old. I want to be your loving niece.—Annie May Dodge, Bentley, Michigan, Route 1.
—Come right in, Annie, and remove your hat and coat. What, going so soon? Well I hope you can stay longer next time.

Dear Uncle Ned:—As I wrote a letter before and not seeing it in print I thought I would try again. I will describe myself. I am eleven years old, have dark brown hair, blue eyes. I have three brothers and one sister. I am in the seventh grade. I will close, hoping to have success.—Lela Johnson, R3, Marion, Mich.
—Mr. Waste Basket must have swallowed your first letter, but I am pleased to know your motto is "if you don't succeed at first try, try again."

Dear Uncle Ned:—This is the second letter I have written. I have two brothers that go to school. One is in the fourth grade and the other is in the second grade. I have a sister that is in the first grade. I am in the fourth grade and I am eight years old. My birthday is in March, the 20th. I have a half a mile to go to school. I live in town. I have brown hair and brown eyes. We take THE BUSINESS FARMER and like it very much. Your friend, Mildred Jones, Route 2, Bellevue, Michigan.

—March 21st is the first day of spring, so you just missed being a "spring chicken," didn't you? We should not use slang, and I hope you will forgive me this once.

What's Wrong in This Picture?



ANOTHER CONTEST

DEAR girls and boys: Who do you suppose called on us the other day? Why, that city artist—the one who did not know how to draw farm pictures, but made drawings of chickens swimming, apples growing on a bush, an owl out in the daytime, a cow getting up backwards, and a lot of other mistakes like these. We thought the reason there were so many mistakes in the pictures he drew for us last November was that he had never lived on a farm and was not familiar with farm life, but I guess we were mistaken because he brought in the above the other day and this is full of mistakes too. I am not sure whether he is just careless or a natural born mistake-maker.

I wonder if you can find the mistakes in this picture? I will make this a regular contest with prizes and everything. The first one to find all of the mistakes and send me a letter telling just what these mistakes are will receive a cash prize of \$2; the one who is second will receive a fountain pen; and third prize will consist of a fine box of paints. Also I will give one of our new buttons to each one of the first hundred to answer the contest, providing they have not received one to date. The contest closes February 13 at 1:00 P. M. Be sure to give your full name, address and age and also advise if you have received a button in your letter.—UNCLE NED.

RADIO DEPARTMENT

By JAMES W. H. WEIB, R. E.

M. B. F. MARKETS

The Business Farmer radio market reports and farm news are broadcast daily, except Saturday and Sunday, through station WGHP, of Detroit, on a wave length of 270 meters, beginning at 7:00 P. M. eastern standard time.

LIKE M. B. F. MARKET REPORTS

At last we have an enterprising farm paper that is giving the farmers just what they have been waiting for—the day's market reports, important news and weather reports each day. We are getting this just at the right time of the day, when we have time to "listen in" and plan our work and marketing for the morrow. Many thanks for the fine feature and I hope that you will keep it up.—Carl E. Juengel, Oakland County.

I enjoy your markets broadcast thru Station WGHP very much. It comes just at the right time of day when our work is done.—Edward J. Seitz, Monroe County.

Dear Editor:—We are one of the many who listened in last evening to your market reports. We want to tell you we appreciate the effort you are putting forth to help farmers through the radio as you have through your paper.—L. A. Bullard, Oakland County.

This is to advise you that we "tuned in" on WGHP and heard Mr. Slocum give his talk. He is quite correct in saying that the afternoon or forenoon is not the time for markets for as a matter of fact, most farmers, I think, are too busy to stop their work to listen to the markets. I do not see how you could have been selected a much better time. I am not able to express in words what the value of radio markets and news is to the farmer, but I do know that our radio has paid for itself in what we have received. I enclose herewith my very best wishes for the success of your broadcasting and thanks to THE BUSINESS FARMER for the service it has rendered us as we have been subscribers for a good many years.—Mr. W. A. Wortley, Livingston County.

Santa Claus had a great surprise in store for us in the "So to speak" making the seemingly impossible possible by presenting us with a radio ordered from him by our four children, and we have been enjoying it immensely and are marveling at its wonders. To our surprise while "tuning-in" Monday evening we heard the program of THE BUSINESS FARMER. I feel safe to say that I know a great many, in fact all farmers, in this and surrounding country will be pleased to listen to the good things you have in store for us in the future.

We sincerely wish you all the success your own hearts wish. We have been subscribers to your valuable paper for the past four years and simply would not be without it. Long live THE BUSINESS FARMER.—Mr. and Mrs. George B. Simons, St. Clair County.

WHAT THE NEIGHBORS SAY
IMPORTED AND DOMESTIC SEEDS

The Editor: Doubtless it has already come to your attention that a good deal of "propaganda" is being sent out on the subject of "blended" clover or alfalfa seed. Some of it has already appeared in the farm press.

Due to the fact these articles either infer or in some cases, come very close to saying in so many words that every commercial seed house makes a practice of blending imported seed with domestic clover seed, and then misrepresenting the blend as being strictly domestic origin, we wish to announce our own position in this matter.

1. The Albert Dickinson Company does not and will not under any circumstances, blend imported with domestic seed of any kind.

2. The origin of every pound of clover or alfalfa seed sent out under a Dickinson brand is definitely known. Every bag is tagged with its origin and is sold and invoiced to the dealer accordingly.

In view of our known record and policy in regard to the blending of seed, we shall certainly object most strenuously to any accusations or inferences against the seed trade, appearing in the farm press, which do not definitely exempt us.

As a matter of public record, we should appreciate any publicity you may be able to give our stand in this matter.—The Albert Dickinson Company, Chicago, Ill.

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Linseed MEAL

A 100 Per Cent Investment!

Yes, it is an investment—not just an expense—and one paying bigger and surer returns than most any you can make.

We can prove it—by the statements of dairymen, feeders and breeders the country over.

The Following Are Typical:

W. A. Bridge, Waterloo, Iowa, says: "For each dollar expended in Linseed Meal, I should judge the return is two dollars."

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- Booklet, "How to Make Money With Linseed Meal," by Prof. F. B. Morrison, author with W. A. Henry of the Recognized Authority on Stock Feeding—"Feeds and Feeding."

Name.....

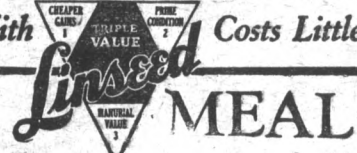
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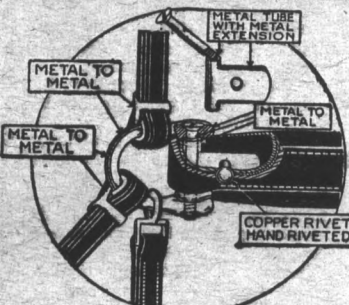
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We want you to see Olde Tan Metal-to-Metal Harness and use it—without the slightest obligation to buy unless you want to. So we will gladly send you a set free with the understanding that it belongs to you for thirty days! Then, if not satisfied send it back at our expense. Work it every day—put it to every test. We want you to prove to yourself by actual test it is the finest, strongest, most durable and dependable harness you ever had on your horses. See how the use of metal-to-metal at every point of wear and strain has added years and years of life to a harness that was already famous for its strength and durability. Note how much strength has been added by using at vital points the Olde Tan "Buckleless Buckle" which stands the utmost strain and positively cannot slip.



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One of the many places at which Metal-to-Metal reinforces Olde Tan.

"Not One Cent for Repairs!"

So writes Lewis Hunt, Prescott, Kas., after 8 1/2 years' use, and he adds, "If I had to buy 100 more sets they would all be Olde Tan." "4 years and no repairs" writes W. H. Grady, Wall, So. Dak. "A runaway, with a corn binder, cut off three fence posts and four telephone poles—and we have proof nothing ripped or tore on the harness."—C. W. Schutte, Elgin, Ill.

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Mail the coupon NOW! Don't wait until your old harness breaks down—and remember that a poor harness is dear at any price! The delay caused in your spring work by a broken harness may easily cost you many times the price of good Olde Tan! Get it now and save trouble later! Remember—30 days' Free Trial—and nothing to pay for four months! But act quick! Write for free book today.

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All Eyes on Primrose

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Make it a point to know the McCormick-Deering Primrose—now is a good time—and take advantage of the superior construction it offers. Your local McCormick-Deering dealer will show you the machine, demonstrate it fully, and offer you a convenient payment plan with 12 full months to pay.

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A Marvelous Self-Home-Treatment That Anyone Can Use on Any Rupture, Large or Small

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Ruptured people all over the country are amazed at the almost miraculous results of a simple Method for rupture that is being sent free to all who write for it. This remarkable Rupture System is one of the greatest blessings ever offered to ruptured men, women and children. It is being pronounced the most successful Method ever discovered, and makes the use of trusses or supports unnecessary. No matter how bad the rupture, how long you have had it, or how hard to hold; no matter how many kinds of trusses you have worn, let nothing prevent you from getting this FREE TREATMENT. Whether you think you are past help or have a rupture as large as your fists, this marvelous System will so control it and keep it up inside as to surprise you with its magic influence. It will so help you restore the parts where the rupture comes through that soon you will be as free to work at any occupation as though you had never been ruptured.

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ABSORBINE, JR., antiseptic liniment for manking, reduces Strains, Painful, Knotted, Swollen Veins, Concentrated—only a few drops required at an application. Price \$1.25 per bottle at dealers or delivered.

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Heaves, Coughs, Conditions, 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.

DAIRY and LIVESTOCK

(We invite you to contribute your experience in raising livestock to this department. Questions cheerfully answered.)

PROGRAMS FOR LIVESTOCK MEETINGS AT M. S. C.

THE old saying goes "Every dog has his day" but it's livestock that have their day during Farmers' Week at the Michigan State College, February 1-5. The various livestock associations in the state will hold their annual meetings on February 2 and 3, and we are listing the programs below. The man who is interested in the production of purebred livestock will find there is at least one meeting that he cannot afford to miss, and time could be spent most profitably at every one of them.

Michigan Holstein-Friesian Association
President—M. W. Wentworth, Battle Creek.
Secretary—J. G. Hays, East Lansing. (Office in Dairy Extension Headquarters.)
Banquet—Tuesday evening, February 2. Place, Plymouth Congregational Church, Lansing, on Allegan Street, just south of the Capitol. Time, 6:30 P. M., Eastern Standard Time.
"Junior Holstein Extension Program":—"For the Member"—Jas. McTavish, Calf Club member, Tuscola County.
"For the Community"—Raymond Laser, Calf Club member, Hillsdale County.
"For the State"—Nevels Pearson, East Lansing, M. S. C., Assistant Leader Boys and Girls Club Work.

"For the Nation"—Earl J. Cooper, Chicago, Director, Holstein-Friesian Ass'n of America (Formerly Junior Extension Leader for Holstein-Friesian Ass'n of America).
Balance of program—vocal and instrumental selections by young Holstein folks.
Annual Meeting, Tuesday, February 2. Place—Room 402 Agrl. Bldg. Time—10:00 A. M. E. S. T.

Usual business incident to handling the interests of the breed thru the State Association.

2:30 P. M.—"Going Ahead in 1926" Earl J. Cooper, Extension Director of the Holstein-Friesian Association of America.

Michigan Guernsey Breeders Association
February 1 and 2, 1926, M. S. C. Dairy Building. Monday, February 2.

Meeting called to order at 1:30 P. M. Address of the President—John Endicott, Birmingham.

Report of the Secretary-Treasurer—C. Faye Myers, Grand Blanc.
"Ethics for the Guernsey Breeder" Mr. Karl B. Musser, Secretary, American Guernsey Cattle Club.
"The Art of Breeding Guernsey Cattle" Prof. J. E. Burnett, M. S. C. Dairy Department.

Evening, 6:30 P. M.
Annual Banquet, The Hunt Food Shop, E. Lansing.

Address—Prof. O. E. Reed, M. S. C. Dairy Department.

Showing of Guernsey Film.
Tuesday, February 2, 1926

Meeting called to order at 9:00 A. M. General Discussion of Guernsey Interests, Mr. Musser.

Annual Report of the Fieldman, W. D. Burrington.
Business Meeting.
Election of Officers.

All meetings are held on Eastern Standard Time.

Michigan Shorthorn Breeders Association
Tuesday, February 2, 1926

Room 100 Agricultural Building
Meeting called to order 10:00 A. M.

President, S. H. Pangborn, Bad Axe; Secretary, W. E. J. Edwards, East Lansing.

President's Address.
Secretary-Treasurer's Report.

"Boys and Girls Calf Clubs as Shorthorn Promoters" J. W. Sims, County Agr'l Agent, Caro.

"Reminiscences of Shorthorn Development in Michigan" I. H. Butterfield, First Sec'y of Michigan Shorthorn Breeders Ass'n, East Lansing.

"Sane Policies for the Promotion and Improvement of Shorthorns" F. W. Harding, General Executive, American Shorthorn Breeders Association, Chicago, Ill.

Business Meeting.
Election of Officers.
Banquet 12:30 M. S. C. Union Bldg.

Michigan Hereford Breeders Association
Tuesday, February 2, 1926

Room 109 Agricultural Building
Meeting called to order at 10:00 A. M.

President, Jas R. Campbell, St. Johns; Secretary, V. A. Freeman, East Lansing.

President's Address.
Secretary-Treasurer's Report.

"Meeting Detroit's Increasing Demand for Good Beef" Mr. Hicks, Detroit.
"Diseases of Reproductive Organs in Cattle" Dr. E. T. Hallman, Veterinary Division, M. S. C.

"Herefords from Michigan to Old Mexico" C. K. Warren, Three Oaks.
"A Successful Hereford Calf Club" David Woodman, Bad Axe.
Banquet 12:30.

Michigan Red Polled Cattle Club
Tuesday, February 2, 1926

Room 112 Agricultural Building
Meeting called at 10:30 A. M.

President, N. C. Herbison, Birmingham; Secretary, Mark R. Westbrook, Ionia
President's Address.

Report of Secretary.
Impromptu Discussions by members.

Michigan Aberdeen Angus Breeders Ass'n
Tuesday, February 2, 1926

Room 213 Agricultural Building
Meeting called at 10:30 A. M.

President, Sidney Smith, Orion; Secretary, James Curry, Marlette.

President's Address.
Report of Secretary.

"Aberdeen Angus Cattle and Better Beef" W. H. Tomhave, Chicago.

"Preparing Cattle for the Show Ring" Alex Minty, Ionia.

"Starting an Angus Herd" John A. Brown, Detroit.

"Aberdeen Angus in Eastern Michigan" Avery Martin, Port Huron.

"Prospects for Beef Cattle in the South" Ivan E. Couparr, Marlette.

Dinner 6:30—Kerns Hotel.

Michigan Brown Swiss Breeders' Ass'n
Tuesday, February 2, 1926

Room ??? Dairy Building
Meeting called at 10:30 A. M.

President, L. S. Marshall, Leslie; Secretary, Wm. J. Campbell, Dimondale.

President's Address.
"A Score Card and Standard for Brown Swiss Cattle" Prof. J. E. Burnett, M. S. C.

Round Table Discussion, led by the Secretary.
Election of Officers.

Michigan Jersey Cattle Club
Tuesday, February 2, 1926

Alfred Henriksson, Pres., Hart, Michigan. 10:30 A. M.—Business meeting and election of officers, Room ???

Program 1:30 P. M.
"The Value of Register of Merit Work" Jos. Fordney, Jr., Saginaw.

"The Demand for Jersey Milk" J. E. McWilliams, Detroit Creamery Company, Detroit.

"Report of Fieldwork for 1925" H. E. Dennison.

6:30 P. M.—Banquet, Hotel Kerns, Lansing, C. V. Ballard, Ass't State Leader County Agents, E. Lansing, Toastmaster.

"Jersey Activities in Kent County" K. K. Vining, Grand Rapids.

"Jersey Development in Northwestern Michigan" L. L. Drake, Mancelona.

Michigan Chester White Swine Ass'n
Wednesday, February 3, 1926

Room 207 Agricultural Building
Meeting called at 10:30 A. M.

President, J. C. Wilk, St. Louis; Secretary, F. H. Knox, Portland.

"Improving the Herd"—J. C. Wilk.
"Type in Chester Whites" Prof. W. E. J. Edwards, M. S. C.

"Are Ton Litters Profitable" W. R. Kirk, Fairgrove.

Election of Officers.

Michigan Hampshire Swine Breeders' Association
Wednesday, February 3, 1926

Room 112 Agricultural Building
Meeting called at 10:30 A. M.

President, Libby Aseltine, Okemos; Secretary, Clarence L. Campbell, Parma.

President's Address.
Secretary's Report.

Address, Professor G. E. Starr
"Feeding for Ton Litters"—Dr. E. E. Cribbs, three Rivers.

"Selling Hampshires by Mail" John W. Snyder, St. Johns.

"Hampshires in Iowa, Why Not in Michigan" Francis Seymour, Dexter.

Michigan Duroc-Jersey Swine Breeders Association
Wednesday, February 3, 1926

Room 213 Agricultural Building
Meeting called to order 10:30 A. M.

President, O. F. Foster, Clarkston; Secretary, F. J. Shaffer, Detroit.

President's Address.
"Present Status of the Duroc Business" J. B. Miller, Ithaca.

"The Future Outlook for Duroc Jerseys" Professor G. A. Brown, M. S. C.

"Holding a Club Boy's Interest" Sidney B. Phillips, Charlotte.

"What Constitutes a Winning Barrow" Prof. W. E. J. Edwards, M. S. C.

"Producing a Ton Litter" Perry Tift, Montgomery.

General Discussion led by President.
Election of Officers.

Michigan Spotted Poland China Breeders Association
Wednesday, February 3, 1926

Room 111 Agricultural Building
Meeting called 10:30 A. M.

President, G. S. Coffman; Secretary, C. L. Nash.

"Early Day Poland Chinas" I. H. Butterfield, East Lansing.

"Some Problems in Swine Feeding" G. A. Branaman, M. S. C.

Michigan Swine Breeders Association
Wednesday, February 3, 1926

Room 109 Agricultural Building
Meeting called to order at 1:00 P. M.

President, F. E. Haynes, Hillsdale; Secretary, Virgil Davis, Charlevoix.

President's Address.
"Reducing Costs in Pork Production" C. M. Vestal, Purdue University.

"The Future of the Purebred Swine Industry" O. C. Vernon, Sec'y O. I. C. and Chester White Record Association.

"Producing Michigan's Heaviest Litter in 1925" Hugh Ward, Fowlerville.

"The Show Ring and the Purebred"

Herd" G. W. Davies, Sec'y American Poland China Record Association.

Michigan Poland China Breeders Ass'n
 Wednesday, February 3, 1926.
 Room 100 Agricultural Building
 Meeting called at 10:30 A. M.
 President, W. E. Livingston, Parma;
 Secretary, A. A. Feldcamp, Manchester.
 President's Address.
 Secretary's Report.
 "Looking Ahead with Poland Chinas"
 Geo. W. Davies, Sec'y, American Poland China Record Association.
 "Pig Clubs and What They Will Accomplish for the Breeder" W. S. Wood, Rives Junction.
 "Profit in Ton Litters" Ernest Barnard, Portland.
 Election of Officers.
Michigan Sheep Breeders and Feeders Association
 Room 110 Agricultural Building
 Meeting called at 10:30 A. M.
 President, C. E. Burtless, Adrian; Secretary, V. A. Freeman, East Lansing.
 President's Address.
 Secretary-Treasurer's Report.
 "Buying and Marketing Lambs" W. W. Billings, Davison.
 "Purchasing Feeds to Feed Lambs" Austin E. Cowles, St. Johns.
 "Producing and Marketing Winter Lambs" E. L. Kelly, Three Oaks.
 "Progress with Boys' and Girls' Sheep Clubs" Nevells Pearson.
Fine Wool Sheep Breeders Association
 Tuesday, February 2, 1926
 Meeting called at 10:00 A. M.
 President, E. M. Moore, Mason; Secretary, R. J. Noon, Jackson.
 President's Address.
 "A Club Boy's Experience with Fine Wool Sheep" Edwin Knapp, Manchester.
 Address—J. F. Walker, Secretary of the Ohio Wool Growers Association, Gambier, Ohio.
 "Commercial Stock Foods and Tonics" Professor G. A. Brown, M. S. C.
 12:00—Banquet at Hunt Food Shop.
 Record of Merit Work, V. A. Freeman, M. S. C.
 Secretary's Report with special reference to Record Work.
 Blacktop Type Discussion, W. O. Hendee, Pinckney; R. C. Blank, Perrinton; Geo. Haist, Chelsea; H. H. Collister, Laingsburg.
 Judging and Demonstration of types of Ramboulllets and Merinos.
Michigan Horse Breeding Association
 Judging Contest 8:00 A. M.-10:30 A. M.
 Tuesday and Wednesday
 General Meeting Tuesday, Feb. 2, 1926
 Meeting called at 10:30 A. M.
 Room 111 Agricultural Building
 President's Address, L. C. Hunt, Eaton Rapids.
 "Pulling Contests and the Horse Industry," H. J. Gallagher.
 "Why Breed Horses" J. M. Vail, Pennsylvania State College.
 "Stallion Clubs" Dr. A. R. Black, State Department of Agriculture.
 12:30—Luncheon, Wildwood Cafe.
 Inspection College Premium Horses.
 Business Meeting 2:30 P. M. Room 111, Agricultural Building.

VETERINARY DEPARTMENT

Edited by DR. GEO. H. CONN

SWELLING AND FEVER

I have a cow that has swelling on the left leg above the hoof. I used iodine on it and it went down, but it is now coming back again. It's about three inches long and seems to be hot. What can I do?—E. J. L., West Branch, Mich.

GET the following prescription from your druggist and then apply with considerable gentle massaging night and morning: Tincture of iodine, 2 ounces; tincture of belladonna, 2 ounces; tincture of aconite, 2 ounces; spirits of camphor, 2 ounces. This should remove the swelling and fever in a few days.

NEW LAMP BURNS 94% AIR

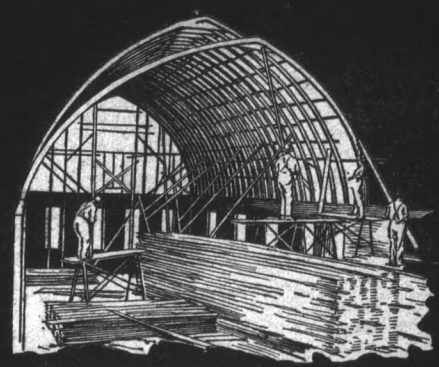
Beats Electric or Gas

A new oil lamp that gives an amazingly brilliant, soft, white light, even better than gas or electricity, has been tested by the U. S. Government and 35 leading universities and found to be superior to 10 ordinary oil lamps. It burns without odor, smoke or noise—no pumping up; is simple, clean, safe. Burns 94% air and 6% common kerosene (coal oil).

The inventor, A. R. Johnson, 609 W. Lake St., Chicago, Ill., is offering to send a lamp on 10 days' FREE trial, or even to give one FREE to the first user in each locality who will help introduce it. Write him to-day for full particulars. Also ask him to explain how you can get the agency, and without experience or money make \$250 to \$500 per month.—(Adv.)



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Build ~ Remodel
Ventilate or Equip
A Hog House, Dairy Barn
Horse Barn or Poultry
House Until You Get
Our Free Book



BECAUSE It Tells Why



Labor Saving Dairy Barns

If you are thinking of building, remodeling or ventilating a cow or horse barn, hog or poultry house, or if you are considering the purchase or labor and time saving equipment for such buildings, by all means, fill out coupon in this advertisement and let us send you free, our valuable Jamesway book.

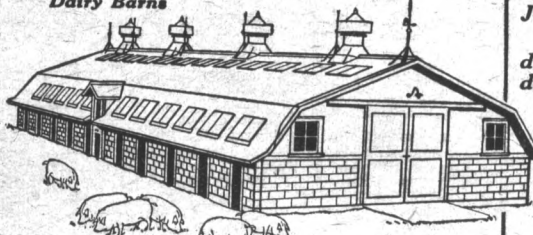
This book will show you how we can save you a lot of money. Our many years' experience in planning and designing practical, convenient layouts for farm buildings has taught us how to plan buildings to save cost of material and construction—just how every door, window and general arrangement should be to make buildings convenient—in short, we save you regrets and costly mistakes.

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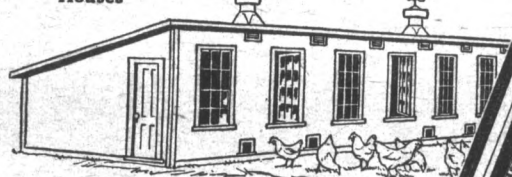
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Time Saving, Money Making Hog and Poultry Houses



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James Manufacturing Company,
"We very much appreciate the splendid architectural service you have rendered us. The ability you showed to adapt plans to meet results desired, were a revelation to me. Your suggestions saved me considerable money in material and time."
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Write or wire for terms and dates.
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STATE AND FEDERAL ACCREDITED
Bull calves out of Dams up to 877 pounds fat. Sired by Bulls whose Dams have up to 1011 pounds fat. The homes of bulls; Shuttlewick May Rose Sequel, Jumbo of Briarbank and Holbecks' Golden Knight of Nordland. From Dams producing 1011.13 fat, 772 fat and 610 fat.
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PRACTICALLY PURE BRED GUERNSEY heifer calves, 8 weeks old \$20 each. We ship C. O. D. Order or write.
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SHORTHORNS; BULLS AND FEMALES from the best families. We are for the next sixty days making a special price on bred heifers. One of the leading herds in the country. Over 100 head to select from. Write to Manager.
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My Entire Herd of 37 Registered **SHORTHORN CATTLE**
This is one of the oldest herds in the state and will be sold at a bargain.
W. W. KNAFF, Howell, Michigan.

MILKING TYPE SHORTHORNS, OF THE best of breeding, with milking ability. Bulls from 4 mo. to 1 yr old. A few choice heifers both bred and open.
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HEREFORDS — OLDEST HERD IN U.S.
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O. I. C. HOGS FOR SALE, TRIED SOWS, Boars, and Gilts.
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Thousands now at low prices. Trapnested, COCKERELS pedigreed. Egg contest winners for years. Pay after you see them. Complete satisfaction guaranteed. Write today for special sale bulletin and big free catalog. JENS GEO. B. FERRIS, 842 UNION, GRAND RAPIDS, MICH. EGGS

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BARRED ROCK COCKERELS AND PULLETS from America's best prize-winning heavy-laying strains. Won 18 First prizes at Detroit and M. A. C. in two years. Reasonable prices.
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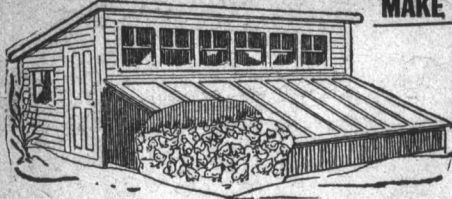
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MAKE THEM GROW FASTER — LAY EARLIER WITH NEW WONDER

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Lets Ultra-Violet Rays Thru
Weather-proof—Transparent—Unbreakable

1-8 COST OF GLASS

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Chicks develop in 1/2 regular time if given ULTRA-VIOLET sun's rays in a warm dry place. Don't turn chicks out in slush, snow and cold weather to chill and die. Don't put them under ordinary glass.

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QUICKER Because Flex-O-Glass admits concentrated Ultra-Violet rays, makes plants grow much faster and stronger than under glass. Quickly pays for itself. Ideal for hot houses because it scatters light exactly as wanted and does not chill as glass does, yet costs only 1/2 as much and far easier installed. Also used in factory, office and school windows to diffuse sunlight. Actually makes room lighter.

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CERTIFIED OFFICIAL EGG PRODUCTION QUALITY
IMPROVED ENGLISH-HOLLYWOOD AND TANCRED LEGHORNS OF 250-300 EGG FOUNDATION BREEDING

Grandview Chicks for 1926 possess the rich production inheritance of our official contest winners. Our breeding methods assure you of strong sturdy chicks that will grow rapidly and develop uniformly, maturing at the proper age when they have attained the best physical development to support their high production breeding.

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RAISES 'EM RIGHT!
Healthy heat, day and night, any temperature desired. All automatic. Needs no attention. No muss, fuss, or fire danger. Gives you healthier, more vigorous birds—quicker and with less loss.

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in time saved, effort saved, chicks saved! Amazingly simple—operates on any electric current—merely attach plug. More convenient. More economical. Lifetime service.

GET YOURS NOW!
If your hatchery or hardware store can't supply you—order direct. Write TODAY for FREE folder with full details.

HATCHERIES: Sales for you—get our proposition AT ONCE.

Wellington J. Smith Co., 663 Davis-Farley Bldg., Cleveland, O.

75 chick size \$8.95
100 chick size 9.75
250 chick size 15.00
500 chick size 18.80
1000 chick size 22.00

"Your Electric Brooder is a wonder. Everybody who has seen it is simply carried away with it."—Mrs. C. P. H., South Carolina.

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Clover \$16.00; alsike \$15.00; Timothy and Clover \$5.00; Timothy \$3.50; Blue grass \$4.00; Millet \$2.00 bushel, satisfaction or money back.

MEIER GRAIN CO., Salina, Kansas.

Cured His Rupture

I was badly ruptured while lifting a trunk several years ago. Doctors said my only hope of cure was an operation. Trusses did me no good. Finally I got hold of something that quickly and completely cured me. Years have passed and the rupture has never returned, although I am doing hard work as a carpenter. There was no operation, no lost time, no trouble. I have nothing to sell, but will give full information about how you may find a complete cure without operation, if you write to me, Eugene M. Pullen, Carpenter, 82M Marcellus Avenue, Manassas, N. J. Better cut out this notice and show it to any others who are ruptured—you may save a life or at least stop the misery of rupture and the worry and danger of an operation.—(Adv.)

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Lets the Violet Rays Through
Keeps Hens Laying all Winter

Fine for Baby Chicks Too
Special Trial Offer

A Big Roll containing 15 square yards (135 sq. ft.) (Will cover scratch shed 9x15 ft.) will be sent you prepaid on receipt of \$5.00. Use this for scratch shed or poultry houses, hot beds, cold frames, storm doors and windows, enclosing porches for the winter, etc., for ten days and if you do not find it lets in a more healthful and agreeable light and warmth and gives better results than glass or any other glass substitute just return and we will refund your money. Common sense instructions "Feeding for Eggs" with every order. Catalog on request.

Price the Cheapest—Results the Best. Compare with Glass or Other Substitutes

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We manufacture all kinds of fur goods. Ladies' and Men's Coats. Fur Sets, Gloves, Mittens, Caps, Robes, etc. Try our repair department.

FREE
\$5.00 inside spot-light for your auto. Write for particulars and one of our 1926 illustrated catalogs.

BLISSFIELD ROBE & TANNING CO.
Blissfield, Michigan, Dept. "E"
Custom Tanners & Fur Manufacturers.

Poultry Department

SPROUTED OATS FOR HENS

THERE is nothing in the world that will make old hens feel as much like spring is here as a box of sprouted oats every day, experienced poultrymen say. Sprouting oats is not necessarily expensive or a lot of bother. Equipment may be homemade. A tub or keg will do to soak the oats in. Five or six boxes about four inches deep will do for the trays. A room which ranges from 50 to 80 degrees in temperature all the time is satisfactory. The Agricultural College poultry farm follows these directions: Soak the oats 12 hours in the tub or keg. Drain them and put them in a box where they should be kept moist until the sprouts are about one-half inch long. Feed them at that time, which is usually about five days after they are put to soak. Five or six boxes will make it possible to start a box each day and feed one regularly.

POULTRY SHOW DURING FARMERS' WEEK

BUT a very few years ago the majority of the Michigan farm flocks were of a mongrel breeding, and had accurate records been kept, they would have shown figures that would indicate, in a majority of cases, a loss instead of a profit. Economical production has been gradually developing by the weeding out of unprofitable producers. The inauguration of culling demonstrations which have been carried on by county agents, poultry extension men and boys' and girls' clubs, has done much to bring the work to its present status.

With the poultry of the state distributed over about 180,000 different farms in the 83 counties, it is evident that any farm extension programs, to be effective, must be distributed throughout the state. For this reason demonstration farms were brought into service. The poultry demonstration farms of Michigan do not represent any highly organized or supernatural establishments; but, rather, the average type of farm found in Michigan. These farms are under the direction of the Poultry Department of Michigan State College and it is the plan to so direct the feeding, housing, and breeding, so as to make it an entirely practical guide to farmers. At present there are about 300 demonstration farms in the state, each keeping but one breed and keeping monthly records of feed costs, etc., and submitting total receipts. It is the plan to make these farms not only places where good breeding stock may be secured, but also to conduct the greater part of the extension work thru these farms. It is the hope that they may become centers of poultry interest in the community where farmers can go for reliable information on ordinary poultry questions. Also, by the use of the records kept at the demonstration farms, it can be shown what profits are made with a good flock of hens when they are properly cared for.

Michigan within the last year has taken a great step in the advancement of her poultry industry. With the organization of the Michigan State Poultry Improvement Association much progress can be made in the development of the farm flocks and especially with the flocks that furnish eggs to the commercial hatcherymen. This organization which is carrying out the plan of accreditation of flocks is endeavoring to make it possible for buyers of baby chicks to buy stock which will be reliable. It has been possible to accredit the flocks of a great many Michigan farms by the cooperation received through the Poultry Department of the Michigan State College.

With the advancement of the poultry industry, especially along the production lines, it has been necessary to provide classes in the poultry show for production birds. Many farmers, who in the past have found it impossible to show standard birds will find ample opportunity to exhibit birds from their farm flock in the production division. The poultry and egg exposition which is to be held February 1-5 will include both standard and production classes. It is the hope of

Don't Pay for 4 Months

So that you may see and use the one cream separator with the single bearing suspended self-balancing bowl, we will send an imported Belgium Melotte Cream Separator, any model, direct to your farm and you don't pay us for it for 4 months. You may have a 30 Day Free Trial to convince yourself.

Write for FREE BOOK!
Write today for new Melotte catalog containing full description of this wonderful separator and our big offer.

MELOTTE H. B. BABSON, U. S. Mfr.
2343 W. 19th St., Dept. 92-81 Chicago

SHIP YOUR LIVE POULTRY DRESSED POULTRY DRESSED CALVES DRESSED HOGS ROASTING PIGS TAME RABBITS TO DETROIT BEEF CO. Detroit, Mich.

36 years in the commission business in the same location and under the same management. \$250,000.00 Capital and surplus. Prompt returns. Write for free shippers guide.

Rheumatism

A Remarkable Home Treatment Given by One Who Had It

In the year of 1893 I was attacked by muscular and sub-acute Rheumatism. I suffered as only those who are thus afflicted know for over three years. I tried remedy after remedy, but such relief as I obtained was only temporary. Finally, I found a treatment that cured me completely and such a pitiful condition has never returned. I have given it to a number who were terribly afflicted; even bedridden, some of them seventy to eighty years old, and the results were the same as in my own case.

"I Had Sharp Pains Like Lightning Flashes Shooting Through My Joints."

I want every sufferer from any form of muscular and sub-acute (swelling at the joints) rheumatism, to try the great value of my improved "Home Treatment" for its remarkable healing power. Don't send a cent; simply mail your name and address, and I will send it free to try. After you have used it, and it has proven itself to be that long-looked for means of getting rid of such forms of rheumatism, you may send the price of it, One Dollar, but understand I do not want your money unless you are perfectly satisfied to send it. Isn't that fair? Why suffer, any longer, when relief is thus offered you free. Don't delay. Write today.

Mark H. Jackson, 86-M Durston Bldg., Syracuse, N. Y.

Mr. Jackson is responsible, above statement true.

Cod Liver Oil with Buttermilk Gives Amazing Poultry Results

Do you want bigger hatches—stronger chicks—faster gains? Would you like to double your present poultry profits?

Thousands of poultrymen are getting just such amazing results as the above, through a simple, easy new feeding method that is revolutionizing old fashioned feeding rations.

By mixing Genuine Semi-Solid Buttermilk and pure high vitamin content Cod Liver Oil, poultrymen from the largest to the smallest have broken all their former egg laying, hatching and raising records.

Today you can get this remarkable feed already mixed in any size container from gallon cans to fifty gallon barrels. And it all contains pure cod liver oil—lots of it. This process of feeding, its endorsements from egg laying contests, the statements of some of the users and full information on the remarkable results it guarantees are fully described in a circular. "Semi-Solid Buttermilk and Cod Liver Oil" one copy of which will be sent free to any reader of this paper raising poultry.

This is the biggest advance in poultry feeding methods of recent years. It can't help but increase your profits—don't fail to learn all about it. Simply send your name and address and the name and address of your feed dealer to Consolidated Products Co., 4750 Sheridan Road, Chicago, Illinois, Dept. 118.—(Adv.)

the show management that a great many farmers will find it convenient to enter birds at this exposition. Many of the farmers who have had the opportunity of attending culling demonstrations or who have had access to a poultry demonstration farm are planning to enter birds in the exposition for their first time, not only for the main purpose of winning premiums, but also for the educational value which they will receive from it. Also to those who do not care to enter birds, but would rather send an exhibit of eggs from their flock the exposition is providing classes which will render it possible for every one to enter.

It can only be hoped that the rapid advancement of the poultry industry in Michigan will not cease but will continue toward greater production and better poultry.

HOW M. S. C. KNOWS SHEEP BY THE NOSE PRINT
(Continued from Page 5)

Bureau is having a noticeable and wholesome effect in steadying and strengthening the wool market in Michigan, and in educating the growers in better methods of producing and handling wool. The pool idea and selling on the graded basis is growing favor with Michigan flock-masters. This past year's pool was fifty per cent larger than that of the previous year. Results were very satisfactory and there is every indication that the pool will increase in volume and in importance as a marketing agency in the next few years.

Paper Twine Advocated

The college specialists are planning a campaign to encourage the use of paper twine in tying the fleeces. They report that it seems to be quite a temptation for some growers to buy a coarse hemp twine at eighteen cents a pound and use it lavishly in tying the wool, with the idea of selling it along with the wool at forty cents a pound. This is a hard tendency to counteract where the growers do not pool their wool and sell on grade, because there then seems to be no incentive for improvement. The college people are working with the country dealers and are getting them to stock paper twine instead of hemp, wherever possible.

The Michigan Agricultural Experiment Station has eight breeds of pure-bred sheep on its farm. This is a showing which cannot be excelled or even equalled by any other college.

Altogether the outlook for more and better sheep in Michigan is indeed very promising. Certainly, improved methods of producing, handling and marketing our wools are on the horizon, if not already actually present and operative.

THE INDIAN DRUM

(Continued from Page 10)

ing that Uncle Benny had felt madness coming on him and had selected him as the one to take charge. But Uncle Benny had not trusted Henry; he had been suspicious of him; he had quarreled with him. How strange, then, that Uncle Benny should have advanced and given way to a man whom he could not trust!

It was strange, too, that if—as Henry had said—their quarrels had been about business, Uncle Benny had allowed Henry to remain in control.

Their quarrels had culminated on the day that Uncle Benny went away. Afterwards Uncle Benny had come to her and warned her not to marry Henry; then he had sent for Alan. There had been purpose in these acts of Uncle Benny's; had they meant that Uncle Benny had been on the verge of making explanation—that explanation which Henry feared—and that he had been prevented? Her father had thought this; at least, he had thought that Uncle Benny must have left some explanation in his house. He had told Alan that, and had given Alan the key to the house so that he could find it. Alan had gone to the house—

Guaranteed

Customer: Have you any eggs that have no chickens in them?
Grocer: Yes, ma'am duck eggs.

CANCER—FREE BOOK SENT ON REQUEST

Tells cause of cancer and what to do for pain, bleeding, odor, etc. Write for it today, mentioning this paper. Address Indianapolis Cancer Hospital, Indianapolis, Ind.—(Adv.)

Buy Only Michigan State Accredited Chicks
An Accredited Chick Is A Better Chick **A Michigan Accredited Chick Is The Best Chick**

Every Michigan State Accredited Hatchery has had all its flocks individually inspected by the Michigan State College. All male birds have been individually leg banded with a State sealed and numbered leg band. Parent stock of all accredited Chicks is pure-bred and free from all major standard disqualifications. All breeders approved are true to type and color of parent stock. All with low vitality or disease have been removed.



"Michigan State Accredited" in the advertising of Michigan Accredited Hatcheries is your guarantee of the truthfulness and reliability of the advertiser's statements.

Such advertising has been approved by the Michigan State Poultry Improvement Association and by the Michigan State College.

For a list of MICHIGAN STATE ACCREDITED HATCHERIES and further information, write

J. A. HANNAH, Secretary
Mich. State College, East Lansing, Mich.

WASHTENAW Baby Chicks

PURE BRED BABY CHICKS MICHIGAN ACCREDITED



We have not only selected our breeding stock and mated our birds for best results, but we have joined the Michigan Accredited Association. An inspector from the Agricultural College approves every bird. This work is for your protection and gives you the most up-to-date in baby chicks. Write for literature and price list. Our chicks cost no more and you can feel safe. 100 per cent live delivery. Write today. Get Your Order Booked Early.

WASHTENAW HATCHERY, 2500 Geddes Road, Ann Arbor, Michigan.



KEYSTONE HATCHERY

HIGHEST PRODUCTION QUALITY

That is what you get in Keystone Chicks. Foreman Strain Barred Plymouth Rocks—Rhode Island Reds, White Wyandottes—Single Comb White Leghorns.

CONTEST WINNERS. Bred for heavy egg production, vigor and health early maturing Chicks. Early Chicks mean early and bigger profits, and that is what our Chicks will bring you, plus the best of satisfaction. Write for catalog, full details and Prepaid prices.

Capital Keystone Hatchery and Poultry Farms, Dept. 51, Lansing, Mich



Downs Strain White Leghorns

have been bred for egg production for nineteen years. They are great winter layers. Many of Michigan's largest egg farms purchase their chicks from us each year. One reports 64% production in November from 775 pullets. Our flocks, hatchery and chicks are all accredited by Mich. State Poultry Improvement Assn. and Mich. State College. Write for our free catalog today. Prices reasonable.

W. A. DOWNS POULTRY FARM, R.F.D. 2, Washington, Mich.

UNUSUAL WHITE LEGHORNS

HOLLAND HATCHERY

It will pay you to investigate one of Michigan's oldest and best hatcheries. Eighteen years' experience at your service. Every chick hatched from carefully selected, rugged free range breeders. Every breeder officially passed by inspectors from Michigan State College. Absolute satisfaction in the hands of our old customers has necessitated increasing our capacity. **WHITE LEGHORNS, Large Type English, Special Mated American Barred Rocks, ANCONAS, S. C. R. I. REDS.** Buy your Michigan State Accredited chicks from an old reliable concern with an established reputation for square dealing. 100% live delivery. Get our valuable Free Catalog before placing your order. **Van Appledorn Bros. R7-B, Holland Hatchery & Poultry Farm, Holland, Mich.**

Chicks a Specialty!

Michigan accredited chicks from flocks which have stood careful inspection. Our White Leghorn Cock Bird won 1st at Eastern Michigan Poultry Show, 1926 in both production and exhibition classes. We won same in pullet class. Prices (Postpaid) On: 25 50 100 500 1000
White Leghorns (Wyckoff strain) \$4.00 \$7.50 \$14.00 \$27.50 \$130.00
Barred Rocks, R. I. Reds..... 4.25 8.00 15.00 27.50 140.00
Wh. & Bl. Rocks, Wh. Wyandottes 4.50 8.50 16.00 27.50 150.00
Chicks from Trapped Pens. We offer a limited number of White Leghorn chicks from our trapped females mated to pedigreed male birds with dams of 240-280 eggs per year. If you want Leghorns of superior quality, write us concerning this stock. Catalog free.
DEAN EGG FARM & HATCHERY, BOX D BIRMINGHAM, MICHIGAN

Town Line POULTRY FARM

OFFICIALLY APPROVED by the State of Michigan. Every breeder passed by inspectors under supervision of Michigan State College. Every male individually examined and banded by a state inspector. **OUR ACCREDITED LEGHORNS** represent 13 years of careful breeding on our 65-acre farm. Foundation of Tanager, Holly-wood and Barron. **ACCREDITED S. C. Brown Leghorns, Anconas, (Sheppard's Strain),** Wood and Barron. **ACCREDITED S. C. Brown Leghorns, Anconas, (Sheppard's Strain),** Chicks you get the advantage of a "Personal Service" few hatcheries can duplicate. Our new free catalog describes our egg contest records and show winnings. Write for it today. **J. H. GEERLING, Owner. R. F. D. 1, Box M. Zeeland, Michigan.**



Ha! Ha! Look!

Buy Our State Accredited CHICKS 9c UP

Inspector left only big profitable breeders in our flocks. 15 best varieties ever produced. We have some pedigreed cockerels in our flocks. Some winning 1st and 2nd prize in production class. Also trapping the Tanager pullets. So our chicks should be as good as money can buy. Hatching eggs. Get free circular with big discount before buying elsewhere.

BEEKMAN HATCHERY, 26 E. Lyon, Grand Rapids, Mich.

OHIO ACCREDITED CHICKS

THEY COST NO MORE AND YOU CAN FEEL SAFE
Our chicks are from leg-banded stock selected by experts, trained and approved by Poultry Department, Ohio State University. You can feel safe, and egg production.
SEND FOR OUR BIG CATALOG It tells all about our pedigreed males and special pen matings. Also gives details about our high producing utility birds. Prices reasonable. Write today. **WOLF HATCHING & BREEDING CO., Box 32, GIBSONBURG, OHIO**

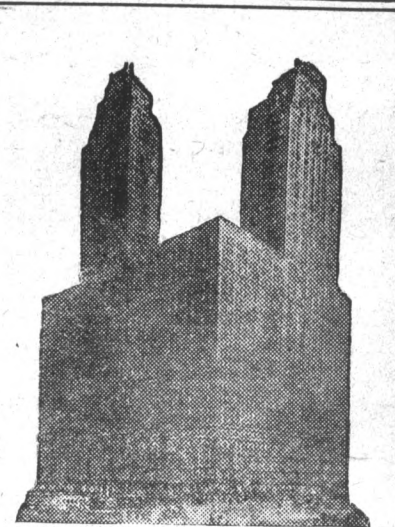
WHEN WRITING TO ADVERTISERS, PLEASE MENTION THE BUSINESS FARMER

LOOK!

Free chicks with advanced orders. 15 varieties 9c up. Every hen tested for production and standard qualities. Get our free circular.
LAWRENCE HATCHERY, R7, Grand Rapids, Mich

SEMPER PARVUS

Thousands weekly. Pure-Breds. Finest quality. All popular breeds. WE SAVE YOU MONEY. Prompt shipments. Hatched catalog FREE—write!
Wellington J. Smith Co. 559 Davis-Farley Bldg., Cleveland, O.



The New Morrison, when completed, will be the largest and tallest hotel in the world, containing 3,400 rooms

When in Chicago Stop at the **MORRISON HOTEL**
Tallest in the World 46 Stories High

Closest in the city to offices, theatres, stores and railroad depots

Rooms \$2.50 up all outside, each with bath, running ice water and Servidor

Garage privileges for every guest
MORRISON HOTEL
THE HOTEL OF PERFECT SERVICE
TERRACE GARDEN RESTAURANT
CLARK AND MADISON STREETS
IN THE HEART OF CHICAGO

BOWERS Colony Brooder

Save \$5 to \$8—Factory Prices
This brooder raises more and better chicks at lowest cost. Stove is sturdy, safe, air-tight, self-regulating—best in world to hold fire. Burns soft coal better than any other brooder. Also burns hard coal, wood, etc. Automatic regulator maintains uniform heat night and day. Canopy spreads heat evenly over chicks, gives pure air. 500 and 1000 chick sizes. Backed by 8 years' success. Guaranteed. Express paid E. of Rockies. Stovepipe outfit sent FREE with brooder. Lowest price. Write us TODAY.
F. M. Bowers & Sons 1416 W. Wash. St. Indianapolis, Ind.

LEGHORN CHICKS

Egg bred 25 years. Guaranteed to live. Shipped C.O.D. Low Prepaid Prices. Also Cockerels, Pullets and Hens. Write for Special Price List and Free Catalog.
GEO. B. FERRIS, 942 UNION, GRAND RAPIDS, MICH.

Leading Varieties, Mich. State Accredited
Purebred Chicks, Pullets
Circular free. Liberal discount on early orders. Member of the I. B. C. A. Fairview Hatchery & Farms, Zeeland, Mich.
R2-B

HAVE YOU POULTRY FOR SALE? AN AD IN M. B. F. WILL SELL IT.

MARKET FLASHES

Wheat in Stronger Position Than Other Grains

Good Demand For Cattle and Hogs
By W. W. FOOTE, Market Editor.

THE newspapers are full of suggestions showing farmers how they can all raise their crops of corn and other crops profitably, and most of the plans are of a kind involving the expenditure of large amounts of money derived from federal taxation. Recently a slight reaction has been observed in some farming districts, and even in Iowa, the storm center of discontent, there are unmistakable indications of returning common sense, many farmers reaching the conclusion at the same time that it is on the whole largely up to them. As to the future, it is easy to give advice, but this must be of a general character, and farmers of considerable experience have learned to make their plans according to their local surroundings. The average Michigan farmer knows that the best way to make corn acres pay is to convert the corn into pork, lard, beef, mutton, and dairy products, something which numerous Iowa farmers have been strangely slow to learn, but the truth is now dawning on them. Another important thing to be realized is the poor quality of a great deal of corn grown last year, involving the undesirability of much corn for planting next spring. In the course of a few months more this is bound to be an unusually important matter to farmers, and it is safe to say that many wide-awake progressive farmers will have the foresight to pay what some farmers will call too high prices. But it should be remembered that wonderful things are being accomplished by the modern farmers, and even the casual observer travelling through the country cannot fail to see the contrast between corn fields on opposite sides of the roads. Looking ahead as far as the coming spring, it is probable that most of our Michigan farmers will keep in the old tracks of a division of acres among the various crops, not neglecting the dairy or the orchard, and having a warm feeling for the mutton and wool industry, now so important and profitable in the United States.

Wheat Prices Fluctuate

Speculators have been for weeks past the virtual dictators of wheat prices, making due allowance for the statistical showing, and, looking into the future, it may be said it looks like an indefinite continuance of present conditions. All in all, wheat is in a much stronger position than any of the other grains, although it is selling at much lower figures than a year ago. On the other hand, owners of wheat may feel that the showing is good, remembering that a little more than two years ago May wheat sold in the Chicago market below \$1.08 per bushel. Turning from speculative influences to legitimate conditions, it is important to note the significant fact that the visible wheat supply in this country is down to about 49,000,000 bushels, comparing with about 83,000,000 bushels a year ago. Furthermore, the United States is now regarded as on a wheat importing basis, the farmers holding much smaller amounts than in recent years, Canada has a very good surplus for export, as have Argentina and Australia, these two countries having, it is estimated, 200,000,000 bushels available for export. There is an important milling demand, and there is buying on declines in prices. Since the period, months ago, when wheat was selling around \$1.50 a big advance has taken place, but \$2 wheat is slow in arriving. Late sales were made of May wheat at \$1.75, with old wheat for May delivery selling at \$1.74, comparing with \$1.93 a year ago.

Corn to Feed Hogs

The Drovers Journal prints the following message from Iowa Falls, Iowa: "Robert Hamilton, one of the largest land owners and stock feeders in this section, this week warehoused 10,600 bushels of corn on his

home place. With this money Mr. Hamilton is buying hogs to feed.

He is hauling in his share of the corn from the rented farms to feed at first and figures to have some hogs ready to ship when the supply of corn is gone and then he will release his own corn as needed.

Larger Sales of Corn

Declines in prices have taken place on increased selling by owners, and bullish sentiment on proposed legislation favoring corn is much less marked than it was several weeks ago. Recently it became

very cold, and this was an influence, as it made the corn dry out much better. The visible corn supply in the United States is larger than a year ago, aggregating nearly 24,000,000 bushels, while that of oats is 61,375,000 bushels, comparing with 73,721,000 bushels at this date in 1925. The visible rye supply in this country is reduced to 13,388,000 bushels. Corn supplies in sight are piling up, recently it was reported that the railroads were getting large orders for box cars to move corn. Oats prices are still very low, and large quantities are being consumed on the farms. Rye is much higher than several months ago, but much lower than last year. Rye is apt to advance and decline with wheat. Late sales were made for May delivery of corn at 84 cents, comparing with \$1.36 a year ago; oats at 45 cents, comparing with 63 cents a year ago; and rye at \$1.07, comparing with \$1.51 a year ago. Rye stocks in sights are about 8,000,000 bushels smaller than a year ago.

Report on Iowa Corn

It is reasonable to estimate that Iowa's 1925 corn crop will net Iowa farmers between \$50,000,000 and \$100,000,000 more than the 1924 crop, a radio audience was told by Dean C. F. Curtiss of the division of agriculture of Iowa state college.

"The annual report of the Iowa weather and crop services gave the value of this year's corn crop of 478,000,000 bushels as \$16,000,000 less than the value of last year's corn crop of 306,000,000 bushels," he said. "This estimate was based upon both crops being marketed at the prevailing price on December 1 each year.

"Of course, Iowa's corn crop is not a cash crop, and it is not marketed any year at the price prevailing on December 1. On the contrary, four-fifths of the crop or more is marketed through live stock and dairy products, and with cattle and hogs selling at 15 to 20 per cent higher prices than they were bringing last year, and with every prospect of good prices continuing

for feeding cattle at all markets, and large advances have taken place in prices. Recent sales were made in the Chicago market of inferior to prime stockers and feeders at a range of \$6 to \$9, largely at \$7.50 to \$8.50, while stock and feeder cows and heifers had a good sale at \$4.25 to \$6.50. Beef cattle have had an outlet recently at rather marked reductions in prices for the rank and file of the offerings, although the January receipts in western packing points have been running much smaller in numbers than one and two years ago. This is undoubtedly owing to the mild weather for this time of the year, which has tended to curtail the consumption of beef as well as other meats. During the third week of January the cattle averaged from 25 to 50 cents lower, steers going largely at \$8.50 to \$10.75, and the best lots at \$10.50 to \$11.10. Prime yearlings sold the highest. Common to fair steers brought \$7.75 to \$9 with fairly good lots taken at \$9.25 and upward. Cows and heifers sell mainly at \$5 to \$9.75 and calves at \$7 to \$14.50. No good feeder steers sell below \$8.

Within a short time prices of hogs have undergone a number of declines, based on larger offerings than usual, but all the time sales were made at far above the prices paid in most former years, the January marketings in western packing points running far ahead of one and two years ago. Liberal profits derived from feeding low-priced corn to hogs cause stockmen to make their swine heavy, and the small percentages of light hogs sell to buyers at a large premium for heavy lots. In the east hogs have been largely marketed, and eastern packers are taking large supplies of light hogs in the Chicago market. Hogs arriving in Chicago lately averaged 245 pounds, the heaviest since October and 14 pounds above the five year average for corresponding weeks. One year ago hogs sold at \$8.75 to \$11 and two years ago at \$6.35 to \$7.35. Late sales were at \$10.75 to \$13.25.

WHEAT

The market for wheat closed somewhat easy at Detroit last week with prices on the down grade. It is doubtful if prices will go down very much as there always seems to be plenty of buyers when prices break. Most of the grain sold last week went into strong hands. Michigan wheat is snapped up by millers as soon as any is offered for sale and, it is said, they are finding it difficult to get enough to meet their needs.

CORN

Corn followed about the same trend as wheat and is rather slow at present. Demand was sufficient to keep prices from declining on the closing day of last week.

OATS

The weakness in other grains was reflected in the oat market. The market is inactive.

RYE

Rye lost 1 cent at Detroit on Saturday of last week, the easy feeling that prevailed in other grains being felt here.

BEANS

After being quiet and easy with sagging prices for several days the Detroit bean market finally showed some strength and prices advanced slightly. Receipts are light.

POTATOES

The cold weather has slowed up delivery of potatoes some but there seems to be enough on hand to take care of the immediate demand. There are not many who are anxious to sell a large number feeling they should get still higher prices. An authority on the market was recently quoted as saying he looked for good prices during January, with February uncertain, and lower prices after that. How much truth there is in this remains to be seen. At present the market is firm and quiet.

M. B. F. MARKET REPORTS BY RADIO

EVERY evening, except Saturday and Sunday, at 7 o'clock, eastern standard time, the Michigan Business Farmer broadcasts market information and news of interest to farmers through radio station WGHP of Detroit. This station operates on a wave length of 270 meters.

throughout the year, it is reasonable to estimate that this year's corn crop will net Iowa farmers between \$50,000,000 to \$100,000,000 more than last year's crop."

Warning to Sheepmen

A prominent Chicago sheep firm sends out the following warning: "We wish to caution the trade to watch receipts very closely as the buying side takes advantage of every opportunity to lower prices. Be extremely careful about Monday markets because packers do not start to kill until noon time, and unless receipts are light, they do not come out until late in the day. Then if we have over 15,000 to 16,000 on Monday it generally gives us a bad start. Also be cautious of Wednesdays, because, as a rule, we have no shipping demand on this day, and shippers are surely the life of the trade. We believe there is no reason why lambs should not sell from 16½ to 17c because the dressed trade was never in better condition, and with wool steadily advancing, things surely look good."

Cattle feeding in most districts are about the same as a year ago, according to government reports, but the cattle are of lighter average weight than a year ago, and the average feeding period is expected to be longer. There is good demand

THE BUSINESS FARMER'S MARKET SUMMARY and Comparison with Markets Two Weeks Ago and One Year Ago

	Detroit Jan. 25	Chicago Jan. 25	Detroit Jan. 11	Detroit 1 yr. ago
WHEAT—				
No. 2 Red	\$1.91		\$1.92	\$2.13
No. 2 White	1.92		1.93	2.13
No. 2 Mixed	1.91		1.92	2.13
CORN—				
No. 2 Yellow	.81		.83	1.28
No. 3 Yellow				
OATS—				
No. 2 White	.46	.44 @ .44½	.48	.63
No. 3 White	.45	.41½ @ .42	.47	.62
RYE—				
Cash No. 2	1.04		1.05	1.65
BEANS—				
C. H. P. Cwt.	4.65		4.65 @ 4.70	6.40 @ 6.50
POTATOES—				
New, Per Cwt.	4.30 @ 4.40		4.30 @ 4.50	1.20 @ 1.23
HAY—				
No. 1 Tim.	24 @ 24.50	24 @ 26	24.50 @ 25	17 @ 18.50
No. 2 Tim.	21 @ 22	20 @ 23	21 @ 22	15 @ 16.50
No. 1 Clover	21 @ 22	24 @ 25	20 @ 21	15 @ 16
Light Mixed	22.50 @ 23	23 @ 25	23 @ 23.50	15 @ 16.50

Monday, January 25.—All grains easy. Bean market unchanged. Good demand for potatoes and market firm. Butter and eggs in demand.

TANCRED and TOM BARRON S. C. White Leghorn CHICKS

Michigan State Accredited Chicks
Are Better Chicks

All our flocks are individually inspected by the Michigan State College of Agriculture—individually leg-banded with state sealed and numbered leg band. This insures you highest quality.

150 Finest Tancred Males and Fine Large Tom Barron Males now head our flocks. Best blood lines in the country.

Order from this ad—Low prices
100-\$15; 500-\$72.50; 1000-\$140. Discount on February orders. 100% live healthy delivery guaranteed. Every order gets my personal attention. This is our twelfth season. Satisfaction guaranteed. Catalog free.

KNOLL'S HATCHERY
R. R. 12, Box B, Holland, Mich.

FEED CULL BEANS

Ground or unground. Carload lots. For Sheep, Hogs, or Cattle. Send for prices and samples.
CHAMBERLAIN BEAN COMPANY
Port Huron, Michigan.

BUSINESS FARMERS EXCHANGE

RATE PER WORD—One issue 8c, Two issues 15c, Four issues 25c.
No advertisement less than ten words. Groups of figures, initial or abbreviation count as one word. Excellent opportunities. Write for Free Booklet 6-165 Stand. Business Training Inst., Buffalo, N. Y.
Forms close Monday noon preceding date of issue. Address:
MICHIGAN BUSINESS FARMER.
Mt. Clemens, Michigan.

HELP WANTED

EARN \$110 TO \$250 MONTHLY. EXPENSES paid as Railway Traffic Inspector. We secure position for you after completion of 3 month's home study course or money refunded. Excellent opportunities. Write for Free Booklet 6-165 Stand. Business Training Inst., Buffalo, N. Y.

POULTRY

BABY CHICKS, WHITE LEGHORNS, BARRED ROCKS, and Rhode Island Reds. Selected for egg production. John Zahnow Hatchery, 1704 Cherry St., Saginaw, Michigan.

BABY CHICKS FROM STATE ACCREDITED stock. Catalog free. Shady Lawn Hatchery, Zeeland, Michigan, Dept. B.

CHOICE PURE OWEN FARM S. C. R. I. RED Cockerels. Size, Type, Color, Quality \$3 up. Mrs. Lloyd Algee, Ortonville, Michigan.

BARRED ROCK COCKERELS, BRED FROM Holtermann's Pedigreed Aristocrats direct. Light and dark. Price \$4.00—Two for \$7.00. N. Ayers & Son, Silverwood, Michigan.

BUFF ORPINGTON COCKERELS, PURCHASED of Poertner when baby chicks. Strong vigorous cockerels. Excellent type and color. A. J. Brewbaker, Elm, Mich.

GIANT BRONZE TURKEYS, GOLD BANK strain. Choice young toms and hens. Ready for shipment. Order your breeding stock early. Mrs. Perry Stebbins, Saranac, Michigan.

MAMMOTH BRONZE TURKEY, VIGOROUS. Stock weight 22 to 24 lbs. \$10. Over 24 lbs. \$12. Mrs. Walter Dillman, Dowagiac, Mich.

CORN BORERS CANNOT EXIST WHEN White-Holland Turkeys roam. I have the best, also Toulouse Geese. Alden Whitcomb, Byron Center, Michigan.

YOUNG WHITE HOLLAND TOMS, \$10 AND \$12.50. C. F. Galbreath, Hartford, Mich.

PET STOCK

HUNDRED HUNTING HOUNDS CHEAP. Trial, C. O. D. Large catalogue. Pack Photos 25c. Kaskaskennels, Herrick, Ill.

SEEDS AND PLANTS

GUARANTEED PROGRESSIVE EVERBEARING Strawberry Plants, \$2.00 hundred; \$10.00 thousand. Cumberland Blackcaps, \$1.00 hundred, \$8.00 thousand. F. O. B. Allegan. Satisfied customers last 7 years. Fuch's Nursery, Box 123, Allegan, Michigan.

FOR SALE—"CERTIFIED" CUTHBERT RASPBerry Plants, \$30 per 1000. Get your orders in early. Andrew J. Barrett, Edmore, RL, Mich.

CERTIFIED SEED GRAIN, FROM LATEST improved strains of highest yielding varieties under Michigan conditions. Wolverine Oats, Robust beans. A. B. Cook, Owosso, Mich.

HAY, ALFALFA, CLOVER, TIMOTHY AND mixed, delivered prices. Harry D. Gates Company, Jackson, Michigan.

CERTIFIED WISCONSIN PEDIGREE BARLEY, Improved Robust beans. Fritz Mantey, Fairgrove, Mich.

FOR SALE—CERTIFIED COSSACK ALFALFA seed, the hardest alfalfa known. Grown on dry land without irrigation, in Northwestern South Dakota. Price fifty cents per pound. G. A. McGarragh, Durpee, S. D.

FREE: SEND NAME AND GET 25 PEDIGREED everbearing Strawberry Plants, free. West Plains Nursery Co., West Plains, Mo.

DETROIT POULTRY

There is a firm and steady tone to the Detroit poultry market with quotations as follows: No. 1 spring chickens, 4 lbs., 29@30c; leghorns, 25c; best hens, over 5 lbs., 29@30c; medium hens, 28c; leghorns and small, 24c; geese, 22@23c; large white ducks, 35@36c; turkeys, 3 lbs. or better, 42c lb.

DETROIT BUTTER AND EGGS

Butter is steady at Detroit at 42 @ 44c per pound for No. 1 creamery. Eggs are in demand at 35 1/2 @ 37 1/2 c per dozen for fresh receipts. Storage are 20 @ 23c per dozen.

LIVESTOCK MARKETS

CHICAGO—(U. S. Department of Agriculture)—Hogs—Bulk, good and choice 160 to 180-pound weights, \$13@13.25; practical top on 160 pounds up \$13.25; odd lots, 140 to 150-pound selections up to \$13.40; majority of 225 to 310-pound butchers, \$11.85@12.35; bulk packing sows, \$10.85@11.10; desirable killing pigs, around \$13.25; shippers took 2,000; estimated hold over 1,000; heavy weight hogs, \$11.75@12.15; medium, \$11.90@12.30; light, \$11.85@13.25; light lights, \$11.75@13.40; packing sows, \$10.60@11.30; slaughter pigs, \$13@13.50. Cattle—Top on yearlings, \$11.25; medium weight, \$11.10; heavies, \$11; too many lower grade steers sliced 50c off heavy cows and heifers, grading good and better; common cows, canners and cutters strong to 25c higher; bulls 35 to 50c lower; vealers mostly 75c to \$1.50 lower; stockers and feeders steady to 25c off. Sheep—Top prices: Fat lambs, \$15.75; feeding lambs, \$15.60; yearling wethers, \$13.50; 2-year-old wethers, \$11.75; fat ewes, \$9.25; bulk prices follow: Fat lambs, \$14.50@15.25; cull natives, \$12@13; fat yearling wethers, \$12.50@13.25; wethers, \$10.50@11; fat ewes, \$8@9; feeding lambs, \$14.50@15.25.



Week of January 31

At the very beginning of this week in most parts of Michigan the tail end effects of a snow and wind storm will be leaving for more eastern sections of the country. A change of temperature to much lower readings is to be expected very early in the week.

By Tuesday there will be a moderation in the temperature with more precipitation and winds of or near gale force but by the middle of the week these conditions will also have drifted eastward. As a result we are expecting fair weather and seasonal temperatures at this time.

Fair weather will be general in most parts of Michigan during Thursday and Friday with temperatures rising to points considerably above normal. By the end of the week there will be a general thaw in progress. Added to this will be an unsettled condition about Saturday that may result in light showers, a little sleet or some snow flurries.

Week or February 7

Temperatures mostly moderate for this time of year will be the rule rather than the exception at beginning of this week with the weather conditions rather unsettled and cloudy. There will be some light precipitation, however, for the state as a whole.

By Monday or Tuesday of this week the sky is expected to clear off and most of the state will experience several days of sunshine and near blue sky—about as much as Michigan shows during the winter months.

Near the end of the week—beginning about Thursday—temperatures will begin a more or less rapid descent. The week will end with cold weather, some snow storms and high winds and gales.

MISCELLANEOUS

CASH PAID FOR FALSE TEETH, PLATINUM, old magneto points, discarded jewelry and old gold. Mail to, Hoke Smelting & Refining Co., Otsego, Michigan.

ALL WOOL YARN FOR SALE FROM MANUFACTURER at great bargain. Samples Free. H. A. Bartlett, Harmony, Maine.

HAY FOR SALE IN CARLOAD LOTS. WRITE for prices. George Tuttle, Germfask, Mich.

DELICIOUS CLOVER HONEY—5 LB. PAIL \$1.25 postpaid. Leslie Bell, Reading, Mich.

ELIJAH COMING BEFORE CHRIST. FREE book. B. Megiddo Mission, Rochester, N. Y.

Rest

SLEEP is the period for rest and recuperation—the time when tired nerves and muscles are made over for the coming day. Why then hinder Nature's efforts to give you a better mind and sounder body? Why not give your spine the benefit of perfect, sagless sleep support? Why not give yourself additional comfort and at the same time help Nature in her efforts to help you?

You'll find the **FOSTER IDEAL SPRING** a benefit in many ways because

It's a Better Bedspring

SOLD BY ALL DEALERS
FOSTER BROS. MFG. COMPANY,
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Western Factory St. Louis, Mo.

Foster IDEAL

The Spiral Bedspring that Supports the Spine

Only when a product measures up to high standards, can it bear this 70-year name

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Valves · Fittings Plumbing Fixtures · Water Systems and Softeners

CONSULT YOUR LOCAL DEALER

TOBACCO

HOMESPUN TOBACCO: CHEWING, FIVE pounds \$1.50; ten \$2.50. Smoking ten \$1.60. Pay when received. Satisfaction guaranteed. United Farmers, Bardwell, Kentucky.

KENTUCKY HOMESPUN TOBACCO—FOUR pounds chewing or five smoking \$1.00 postpaid. Clements and Wettstein, Chambers, Ky.

HOMESPUN TOBACCO: CHEWING, FIVE LBS. \$1.50. Smoking, ten \$1.50. Pay when received. F. Gupton, Bardwell, Ky.

HOMESPUN TOBACCO: CHEWING FIVE LBS. \$1.50; ten \$2.50; smoking 5 lbs. \$1.25; ten \$2.00. Cigars 50 for \$2.00. Pay when received. Farmers Association, Mazon Mills, Ky.

KENTUCKY'S BEST LEAF TOBACCO—SOLD under money back guarantee. 8 lbs. chewing \$1.00 or 4 lbs. smoking \$1.00. Pay for tobacco and postage when received. Co-Operative Tobacco Growers, Hawesville, Ky.

FARM LANDS

STROUT'S CATALOG JUST OUT! FARMS, Businesses! Copy Free! Valuable illustrated buyers' guide. Hundreds equipped money-making farms, multitude of village homes, stores, gas stations, auto inns, etc., etc. The pick of 27 states. Free copy saves you time and money. Write today. Strout Farm Agency, 7-MG, South Dearborn St., Chicago, Ill.

OWN A FARM IN MINNESOTA, DAKOTA, Montana, Idaho, Washington or Oregon. Crop payment or easy terms. Free literature; mention state. H. W. Byerly, 90 Northern Pacific Railway, St. Paul, Minn.

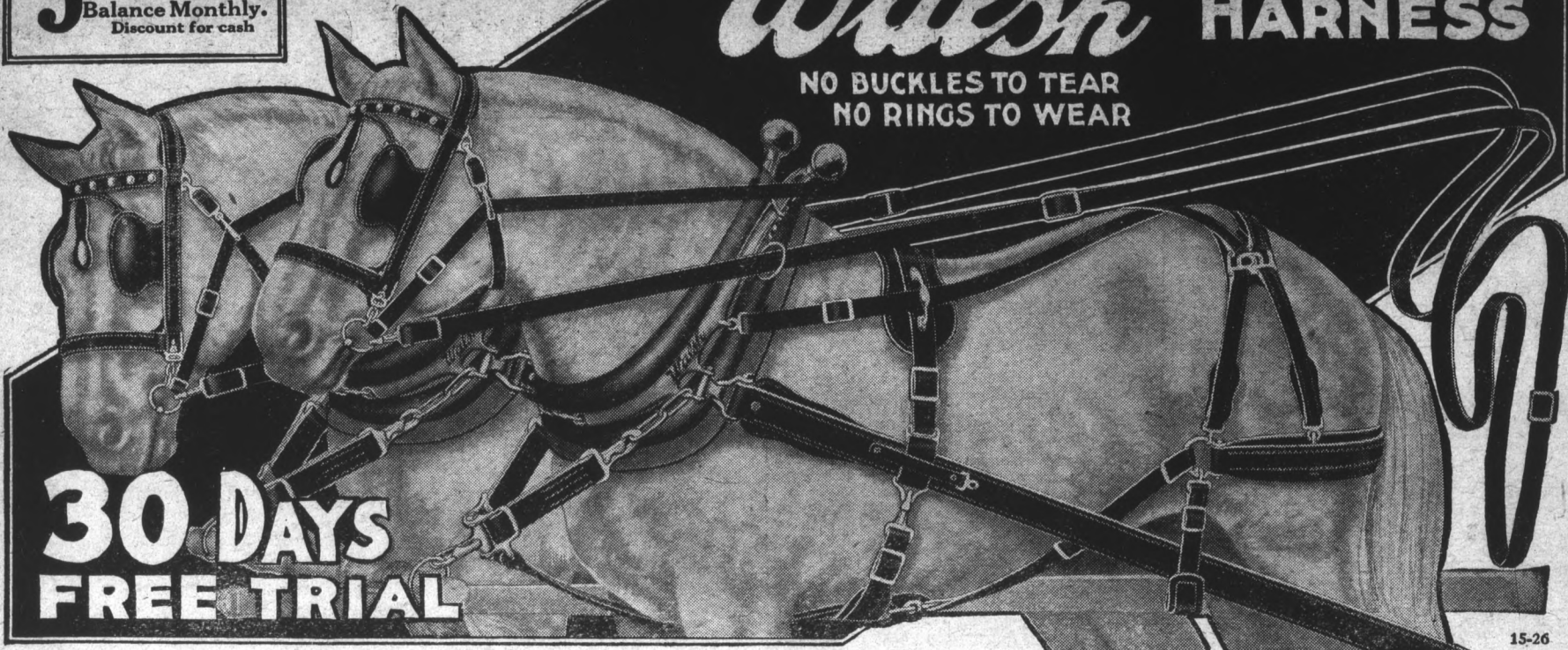
FOR SALE—200 ACRES FARM LOCATED IN Southern Michigan. Good buildings. Lake on property. Write B. H. Davis, Box 65, Edwardsburg, Michigan.

FOR SALE OR TRADE, SOUTH DAKOTA Ranch. Owner, Warren Streeter, Manton, Mich.

\$5 After 30 Days
FREE TRIAL
Balance Monthly.
Discount for cash

Walsh NO-BUCKLE HARNESS

NO BUCKLES TO TEAR
NO RINGS TO WEAR



**30 DAYS
FREE TRIAL**

15-26

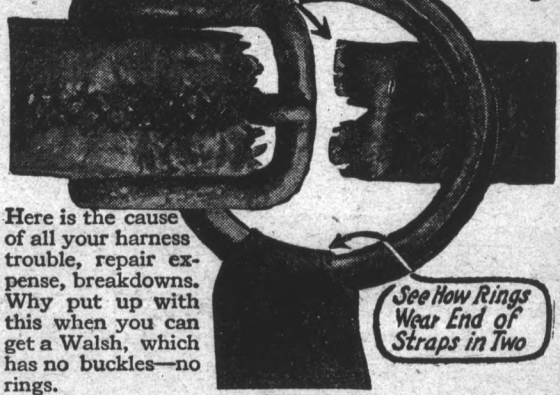
Send No Money I send you a set of my No-Buckle Harness to try on your own team, on your own farm, for 30 days without cost or obligation to you. Glad to send it—that's my liberal offer. Examine it, use it, test it in every possible way you can think of.

Then if you don't think that the Walsh is the best looking, strongest and handiest harness you ever laid eyes on, slip it into the box and return it to me. You don't even have to pay the return charges. I urge you not to wait a day before you get my new, free book that tells all about my special free trial offer. My harness book describes in detail this double-wear harness that has no buckles to tear straps, no rings

to wear straps, no buckle holes to weaken straps. In a few years this wonderful harness has swept the country, making it necessary to enlarge my factory four times to take care of orders. A proven success on thousands of farms in every state. Post yourself on this latest, most up-to-date way of making harness. Write for my new, big, free book now.

See How Buckles Weaken and Tear Straps

The WALSH Has No Buckles—No Rings



Here is the cause of all your harness trouble, repair expense, breakdowns. Why put up with this when you can get a Walsh, which has no buckles—no rings.

Three Times Stronger than Buckle Harness

Buckles Weaken and Tear Straps. As an example, a Walsh $1\frac{1}{8}$ inch breeching strap holds over 1100 lbs. The same strap with the buckle will break at the buckle at about 360 lbs. pull. Ordinary harness has 68 buckles. Walsh Harness has no buckles—easy to see why Walsh is three times stronger than ordinary harness.

Walsh "Special Test" Leather

Users say that the leather used in Walsh Harness is the best they ever saw in Harness. I use only the choicest Packers' Northern Steer Hide Leather—tanned by the old-fashioned six months bark tan process. I want you to send today for my free book and read

about actual test in steel testing machine—it proves that Walsh Leather holds twice as much as ordinary harness leather. Ask me to send you at once my free book, full of interesting and valuable information—explains fully how my leather is tanned and tested.

No matter where you live—prompt shipment is made from a warehouse near you—No delay.

Easily Adjusted to Fit Any Horse

In ten minutes a Walsh Harness can be adjusted to fit any horse perfectly, and it's a comfortable harness because it fits. It is much easier to put on and take off. No stubborn buckles to bother with when winter cold bites your fingers and straps are stiff. The adjustable strap holder, used exclusively on Walsh Harness, does away with all buckles and rings, and the harder the pull the tighter they hold: the world's greatest advance in harness making. No other harness ever made can equal it. Made in all styles, Breechingless, Side Backer, Back Pad, Express, etc., all shown in my big free book.

Be Prepared for the Spring Rush

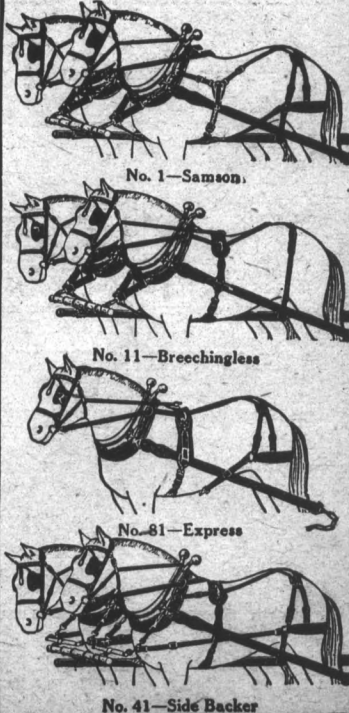
Send for your copy of the big, free harness book today. Post yourself on this wonderful harness, so you can make your decision and get your trial order in quickly as possible. Have your harness ready for spring work when it comes. A delay at that time because of old broken-down harness will cost you dearly.

\$5 after 30 days free trial

Balance easy payments. Selling direct by mail to you enables me to give highest quality harness at lowest prices. There's a copy of my book waiting for you. Write today for book, prices, terms and how to make money showing Walsh Harness to your friends and neighbors.

James M. Walsh, Pres., WALSH HARNESS CO.
425 Grand Ave., Milwaukee, Wis.

Four of the Ten Styles Shown in Free Book



AS USED IN
Walsh
HARNESS

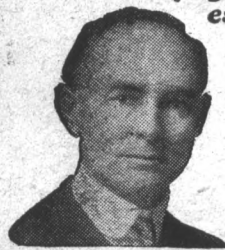
AS USED IN
BUCKLE
HARNESS

From photo of a test that shows how buckles weaken straps
WALSH HARNESS has no buckles, no buckle holes
Every strap has its full strength

STRAP WITHOUT BUCKLE HELD UP TO 1170 POUNDS PULL

SAME STRAP BROKE AT BUCKLE 360 LBS. PULL

New edition of my big free Harness Book just out—52 pages of interesting facts. Write for it today.



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1. How a broken strap led to the invention of harness without buckles.
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3. Friction is destroying every old style harness in use.
4. The Walsh is three times stronger than buckle harness.
5. Walsh Strap Holder—the hardest the pull, the tighter it holds.
6. Only 9c a year—average repair cost.
7. The world's greatest advance in harness making.
8. How Walsh leather is tested in steel testing machine.
9. 50 pictures of Walsh users in every state and on leading University Farms.
10. The Walsh 25-Year Guarantee.
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