

FARMERS' SERVICE DEPARTMENT

All inquiries on farm subjects will be given careful and prompt attention.
Address: I H C SERVICE BUREAU
HARVESTER BUILDING CHICAGO

MOLASSES AS A STOCK FEED

W. C. Stader, Vine Grove, Kentucky, writes: "What do you know about the value of black strap or low grade molasses as a feed, and how much should be fed?"

The Experiment Station Bulletin No. 118, of the Massachusetts Experiment Station, Amherst, Mass., gives a very complete digest of the subject of molasses as a feed. The conclusions do not seem to be very satisfactory regarding its value. Where it can be obtained cheaply, and where the grains are high priced, it probably has a place in the feeds. It is sometimes fed by diluting it with water so that stock will drink it, but generally it is used to give children more palatability; that is, it can be mixed with chopped straw or other coarse hay and stock will eat this to get the molasses. It is also used to quite an extent with alfalfa meal.

Its principal feeding constituent is the sugar or saccharides, and the conclusion of the bulletin seems to be that these can be bought more cheaply in such feeds as corn than in the molasses. However, it would be well for you to find out what it would cost for you to feed locally before deciding as to feeding or not feeding it. At the present prices of other feeds, we are inclined to believe you will find that an investment in molasses for a feed will not be a profitable one.

Yours very truly,
I H C SERVICE BUREAU.

LAYING TILE IN QUICKSAND

Reply to M. E. Horton, Mishawaka, Indiana: "Will you please give me a little information on laying tile on a farm that has a quicksand bottom, also a little advice on killing out smartweed?"

This is quite a difficult proposition, and we believe the only way that results can be obtained is to use some durable timber and lay a board in the bottom of the ditch on which the tile can be laid to keep it from getting out of line. You would need a board about the same width as the tile, that is, for 12 inch tile a 12 inch board would be sufficient. At the points where the boards join, a short piece 12 or 14 inches long should be placed below so there would not be a possibility of the tile becoming dislocated by one of the board settling.

If you can get a considerable fall, the sand will probably not bother in filling up the tile, but if you cannot get a fall of three or four inches per foot, it would be best, if possible, to fill in about the tile with clay or some other soil through which the water would seep and at the same time keep out the sand.

As to smartweed, we believe if you put your land properly drained you will not be bothered with this pest. It is the weeds in soil that contains too much water for the proper growth of a healthy crop. If draining does not do it, we are sure that you can get rid of it by cultivation. A few rows of corn will help rid your land of this pest.

Yours very truly,
I H C SERVICE BUREAU.

LABOR SAVING

Farm Implements are Needed in the South

By G. H. Alford, I H C Service Bureau

The demand of the times is for improvement along every line; for building better roads, better homes, churches and school houses. We desire better equipment on our farms and in our homes. The teachers and ministers must have expensive educations and hence demand better salaries. Telephones, rural delivery mail, libraries, etc., are becoming necessities. It is the desire of every parent to educate the children at colleges or good schools.

Apparently the key to agricultural improvement in the south is more power and labor-saving farm implements on the farm. The average farmer who has a small mule or horse and his total annual income is about \$148.00. In Iowa the average farm worker uses nearly four large horses and produces \$611.11 annually. A small stock of stock investors show much smaller use of power on the southern farms than in other sections of the country, and, consequently, less use of labor-saving farm implements and a correspondingly lower earning capacity of the farmers.

The power must come first and then the labor-saving implements. Every farmer in the south can easily raise the necessary horses. He can pay to afford to buy extra horses than to attempt to farm with one or two small mules. By the use of strong teams and labor-saving implements, the wages of one and sometimes two men can be saved, and this will soon pay for an extra animal. However, every

farmer should raise his own horses. A good team of mares will do more work than several small mares, such as are largely used, and the colts raised will be a handsome profit. To furnish the additional power needed to handle larger farm machines.

Money-making farmers have fully proved that summer and winter pastures and well-cured hays should be the main reliance for feed. The feeding of horses and mules on pulled corn fodder and corn is so expensive and out of date that the practice should be abandoned. I saw seventeen fine mares that were raised on good pasture and pea vine hay. The mares colts obtained their living entirely in pastures from March 1 until December 1. The pastures were not brush patches or fields of weeds and briars, but tracts of fertile soil, well set in Bermuda grass, lespedeza, white and burr clover. Plenty of pea vine hay was kept in large racks for them from December 1 until March 1.

High-priced labor makes it imperative that more and better farm implements be used. On every farm there should be at least a reversible disk plow or a large turning plow or disk harrow, two sections of steel harrow, combination planter, single row cultivator, grain drill mower and rake, or a binder and a hay press. The above are essential, and if the means of the farmer will allow, many other convenient labor-saving implements, such as a two-row planter, threshing, gasoline engine, feed grinder, feed cutter, manure spreader, cream separator and an auto wagon could be added.

Yours very truly,
I H C SERVICE BUREAU.

SILAGE

At a farmers' institute not long ago the question was asked: How many households have silos? You can very easily guess the nature of the replies to this question, for none of those present had much of an idea what a silo really is. After a short explanation it was agreed that nearly everyone present in reality had a silo of some kind. Some of these were used for saving fruit, corn and others for preserving cabbage for future use.

We don't really speak of these as silos, but the effect on the saving of these foods when placed in jars is the same as it is with corn when stored in the silo. In other words, silage is green corn preserved by storing in an airtight structure.

There probably are very few farmers here that do not remember some rainy day or evening when all hands got busy preparing the cabbage to fill the kraut jar. Probably no thought was given the subject because it was a yearly task, and no one realized that in effect the saving of the cabbage by making it into kraut is the same as making corn silage. It undoubtedly served a good purpose in keeping the family in a healthy condition during the winter months when the green food was not available. The same is true of silage, which affords a succulent and nourishing feed for the livestock.

There may be a question as to whether all stock will eat the sour corn silage, but give them a chance and this thought will be quickly dispelled, for this stock eat silage very greedily, and the returns in the form of milk and meat will amply pay for all the trouble and expense.

Yours very truly,
I H C SERVICE BUREAU.

Handsome Trophy for Best Corn

The American Land and Irrigation Exposition company, whose general offices are in the Singer building, New York city, is offering a handsome trophy, valued at \$500, to the farmer growing the best 30 ears of Indian corn of any variety grown in the largest yield per acre. The corn must be grown in the United States. Rules and shipping instructions and particulars for making entry for the privilege of competing in this contest can be secured by writing Mr. Gilbert McClure, General Manager of the Exposition, Singer building, New York.

Twinges of rheumatism, backache, stiff joints and shooting pains all show your kidneys are not working right. Urinary irregularities, loss of sleep, nervousness, weak back and sore kidneys tell the need of a good reliable kidney medicine. Foley Kidney Pills are tonic, strengthening and restorative. They build up the kidneys and regulate their action. They will give you quick relief and contain no habit forming drugs. Sold by T. H. McFee.

FOLEY'S KIDNEY PILLS
For Backache, Rheumatism, Dropsy

WRITE IDEAS FOR MOVING PICTURE PLAYS

YOU Can Write Photo Plays and Earn 25\$ or More Weekly We Will Show You How!

If you have ideas—if you can THINK—we will show you the secrets of this fascinating new profession. Positively no experience or literary excellence necessary. No "flowery language" is wanted.

The demand for photo plays is practically unlimited. The big film manufacturers are "moving heaven and earth" in their attempts to get enough good plots to supply the ever increasing demand. They are offering \$100, and more, for single scenarios, or written ideas.

Nearly all the big film companies, the buyers of photo plays are located in NEW YORK CITY. Being right on the spot and knowing at all times just what sort of plots are wanted by the producers, our SALES DEPARTMENT has a tremendous advantage over agencies situated in distant cities.

We have received many letters from the big film manufacturers, such as VITAGRAPH, EDISON, ESSANAY, LUBIN, SOLAX, IMP, REX, RELIANCE, CHAMPION, COMET, MELIES, ETC., urging us to send photoplays to them. We want more writers and will gladly teach you the secrets of success.

We are selling photoplays written by people who "never before wrote a line for publication."

Perhaps we can do the same for you. If you can think of only one good idea every week and will write it out as directed by us, and it sells for only \$25, a low figure,

You Will Earn \$100 Monthly for Spare Time Work

FREE Send us your name and address at once for free copy of our illustrated book, "Moving Picture Playwriting"

Don't hesitate. Don't argue. Write now and learn just what this new profession may mean for you and your future.

National Authors' Institute

1543 Broadway

NEW YORK CITY

Goitre Now Curable

Reliable Treatment Found by
Eminent Doctor—You Can
Test It Free

It seems absolutely certain that at last there has been found an effective remedy for Goitre—the unsightly and disgusting tumors that disfigure the neck and sap the strength and vitality of otherwise healthy and attractive men and women.

Some years ago Dr. W. T. Bobo of Battle Creek, Mich., discovered what he believed to be a successful treatment for Goitre. This belief was strengthened by the fact that hundreds of sufferers stated that they were permanently cured in a few weeks by this remarkable remedy.

One grateful woman writes that Dr. Bobo's sample treatment cured her goitre. Another tells us that one month's treatment completely and permanently cured her goitre. Still another writes: "One month's supply entirely cured my goitre." These are but extracts from the hundreds of letters received by Dr. Bobo from patients who state that they were cured.

If you suffer from Goitre write today to Dr. Thompson Bobo, Suite B 16, Minty block, Battle Creek, Mich., and he will send you free a regular \$2.50 treatment of this effective Goitre remedy to prove what it can accomplish for you.

Dr. Bobo authorizes us to make this free offer to Goitre sufferers.

5295

TRY SOLACE AT OUR EXPENSE

Money back for any case of

Rheumatism, Neuralgia or Headache

That Solace Fails to Remove

Solace Remedy is a recent medical discovery of three German

Scientists that dissolves Uric Acid

Crystals and Purifies the Blood.

It is easy to take and will not af-

fect the weakest stomach.

It is guaranteed under the Pure Food and Drug Laws to be absolutely free from opiates or harmful drugs of any description.

Solace is a pure specific in every way and has proven beyond question to be the surest and quickest remedy for Uric Acid Troubles known to medical science, no matter how long standing. It reaches and removes the root of the trouble (Uric Acid) and purifies the blood.

The Solace Co. of Battle Creek are the sole U. S. agents and have thousands of voluntary testimonial letters which have been received from grateful people Solace has restored to health. Testimonial letters, literature and Free Box sent upon request.

R. Lee Morris, president of the First National Bank of Chicago, Texas, wrote the Solace company as follows:

"I want you to send a box of Solace to my father in Memphis, Tenn., for which I enclose \$1. This remedy has been used by some friends of mine here and I must say its action was wonderful.

(Signed) R. L. Morris.

Put up in 25c, 50c and \$1.00 boxes.

It's mighty fine to be well and you can soon be by taking Solace.

No Special Treatment Schemes or Fees.

Just Solace Alone does the work.

Write today for a free box, etc.

SOLACE REMEDY CO.

Battle Creek, Mich.

Mrs. Peter Holan, 11501 Buckeye Road, S. E., Cleveland, O., had a little son with a bad case of whooping cough. She says: "He coughed until he was blue in the face. I gave him Foley's Honey and Tar Compound, and the first few doses had a remarkable and almost instantaneous effect. A few more doses cured him. Yes, indeed I can recommend Foley's Honey and Tar Compound." In the yellow package. Sold by T. H. McFee.

The Pontiac Savings Bank

S. E. Beach, President
F. H. Hale, Vice President
Cramer Smith, Cashier

Capital, \$100,000. Surplus, \$35,000

4 per cent interest paid on deposits. Loans made on Real Estate Mortgages approved by the State Banking Department, guaranteeing to depositors the best security. All business matters handled in a safe and conservative manner.

DETROIT BUSINESS UNIVERSITY

65 West Grand River avenue, located in new premises and giving the most modern courses of training for business appointments. Invite you to write for a copy of its new calendar. Address, E. R. SHAW, President, Detroit, Mich.

Mr. Hiram Steele, 628 N. 6th St., Terre Haute, Ind., writes: "I came down with a severe case of kidney trouble. I had to get up too often at night, there was pain and much sediment, puffs under my eyes, back pained terribly, and I was dizzy. Foley Kidney Pills cured me quickly, and I feel 100 per cent better." Sold by T. H. McFee.

E. B. CAVELL, VETERINARY Surgeon, Graduate of Ontario College, now has his office in residence, corner of Cady and Center streets. Calls attended day or night. Both Phones, Northville, Mich.

FOLEY'S HONEY AND TAR
stops the cough and helps lung!

JOHN E. WEDOW

Auctioneer

Bell Phone, Farmington 40L2

Independent Phone, Walled Lake, 58x-1L-1L

Monuments of Quality

Skerritt-Lyon

Granite Co.

PONTIAC, MICH.
Bell Phone 1202 J

PLYMOUTH MICH.
Bell Phone 23

Independent 216

Gasoline Engines

I have the sale of the United Water-cooled Gasoline Engine, made in sizes from 1½ h. p. to 12 h. p. at the remarkably low price of \$35 up.

One at my home is in daily use and can be seen by prospective buyers at any time.

"After Quality—Price Counts"

DON B. BUTTON

Phone 42-13

Three miles north of Farmington

When in DETROIT Stop At

The New Hotel Hermitage

Complete and Bates St.

Close to the City Center

Rates Reasonable

Meals and Lunches

See French in Sincere

First Bar East of Woodward Ave.

ADAM A. JONES, Prop.