EAT SKINNER'S THE BEST MACARONI

MY SIGNATURE ON EVERY PACKAGE

CUT YOUR CORN WITH

AKRON SULKY CORN CUTTER

The old way requires considerable help and takes a long time. The AKRON SULKY CORN CUTTER saves time, money, and much labor; is absolutely safe; inexpensive; efficient; light draft; only one horse required; saves twine; cuts one or two rows at a time; adjustable for height of cut. We want you to know more about our Corn Cutter, but this space is too small for that, so we have published an illustrated booklet containing full description and testimonials which we will mail free to all interested readers of this paper. Send us a postal card request at once and you will receive this booklet by return mail. We will also tell you what dealer in your neighborhood handles our Corn Cutter, so you can go and see this complete machine. Write now. Right now.

THE AKRON CULTIVATOR CO. AKRON, OHIO.

PARKER'S HAIR BALSAM
A toilet preparation of merit. Helps to eradicate dandruff.
For Restoring Color and Beauty to Gray or Faded Hair. 50c and $1.00 at Druggists.

AGENTS!! Everybody buys; live repeater; act quick; sample 25c, circular free. Gustafson, 628 N. La Salle Ave., Chicago, Ill.

W. N. U., DETROIT, NO. 34—1917.

A Good Reason.

Mrs. Knicker—Why do you think she is a spy?

Mrs. Bosker—No other cook ever stayed as long.

SAYS PILE REMEDY WORTH $100.00 A BOX

I have had itching piles ever since my earliest recollection. I am 53 years old and have suffered terribly. I have tried many remedies and doctors, but no cure. About 8 weeks ago I saw your ad for Peterson's Ointment. The first application stopped all itching, and in three days all soreness. I have only used one 25c box and consider I am cured, not feeling any return of the trouble for 6 weeks. You have my grateful heartfelt thanks, and may everyone that has this trouble see this and give your ointment, that is worth a hundred dollars or more a box, a trial. Sincerely yours, A. Newth, Columbus, O.

Peterson's Ointment for Piles, Eczema and old sores is only 25c a box at all druggists. Adv.

Frenzied Finance.

"I just thought of a great scheme," grinned the plumber.

"Hand it to me and I'll eat it," replied the thin carpenter.

"No, this is on the level."

"What is it all about?"

"It is to get in touch with all the paymasters in the country—"

"Yes—"

"And find out when the pay day comes."

"Yes—"

"Then, on the pay day I plan to go to each paymaster and see how many envelopes have not been called for."

"Huh!"

"Then I plan to take all the uncalled-for pay envelopes and share them fifty-fifty with the paymasters."

As he turned to go the thin carpenter shook his head and remarked sorrowfully:

"Aun't just to think, I used to know you when you were all right."—Exchange.

All Busy.

"One notices in the hospital the nurses between times and all the visitors sit making scarfs and socks for the soldiers."

"Yes, even in the surgical ward you can observe the broken bones knitting."

A Carefree Fellow.

"What sort of a chap is Flubdub?"

"Well, I once knew him to spend his last dollar getting his fortune told."

POST TOASTIES are bully good for any meal and for all the family

PROVE PHOSPHORUS HELP IN MICHIGAN

Tests in Many Counties Show Soils Lacking in This Element.

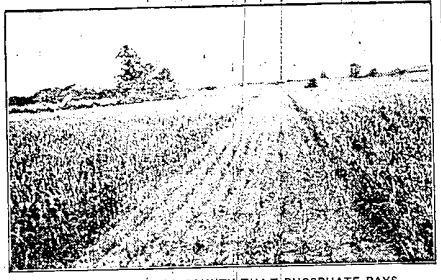
BOOSTS WHEAT PRODUCTION

Application of Phosphates in Newaygo County Increases Wheat Yields From 8 to 25 Bushels—Potatoes Also Show Big Gains.

By Dr. M. M. McCOOL,
Professor of Soils, Michigan Agricultural College.

East Lansing, Mich.—Is it wise to apply phosphates to Michigan soils? Next to the question: "What's your draft number?" this query about fertilizers is perhaps as frequently asked as any by the Michigan farmer today, and it is probably as important as any, particularly since it has become increasingly apparent that for the time being, at least, Michigan intends to resume her old stride in the matter of wheat production. The answer is, "Phosphates pay."

But this conclusion must not be looked upon simply as a classroom theory. The thing has been amply proved under actual field conditions on Michigan farms in many counties. These tests have demonstrated beyond question that Michigan soils as a rule lack phosphorus, and further that applications of phosphates handsomely repay farmers for the expense entailed.



PROOF IN NEWAGO COUNTY THAT PHOSPHATE PAYS.
This is a Newago County Farm, Where a Test Was Conducted Under the Direction of County Agent Blandford. The Fields at the Right and Left Were Treated With Phosphate. The field in the Center Was Untreated.

A recent trip by the writer through eastern, southern and western Michigan revealed the fact that heads of wheat on many fields are only about one-half as well filled as they should be, indicating a deficiency of phosphorus in the soil. The correctness of these observations has been additionally borne out by chemical analysis of representative soil types, in Cass, St. Joseph, Lenawee, Wayne, Ingham, Allegan, Manistee, Wexford and Newaygo counties. The results have shown that soils in all of these districts lack the necessary amount of phosphorus.

But to remove all doubt, actual tests have been conducted in the field. Remarkable returns from the application of phosphates have been secured by the soils department of the college, by means of field culture experiments on Cass, Van Buren and Kent county farms, as well as on the college farm, and through co-operative experiments with farmers in several counties.

On the county farm in Kent last year, acid phosphates on soils resulted in an increase of 60 bushels to the acre in potatoes. An increase of 40 bushels to the acre over the yield on adjacent sandy loam was obtained on the county farm in Van Buren by similar treatments. In Van Buren county 400 pounds of acid phosphate was applied in one case, and 2,000 pounds of raw rock phosphate in another. The results were equally good in both.

In Lenawee county the yield of rye was increased from 16.9 bushels to 21.5 bushels by the addition of 200 pounds of acid phosphate per acre to sandy soils in co-operative experiments on the farm of A. M. Green, while County Agent Blandford, in Newaygo county, has increased the yield of wheat from 8 to 25 bushels by applying 200 pounds of acid phosphate per acre to light soils.

We have been selling phosphate from our farms for years, and returning it to the soil now is sound practice. Phosphates are not a soil stimulant, and their use will not result after a few years in decreased yields. The soils department of the college recommends the application of 200 pounds per acre of from 16 to 18 per cent acid phosphate twice in a four-year rotation. The small grains are especially benefitted. Where rock phosphate is to be used, 1,500 pounds per acre in a four-year rotation is advisable. It is conceded that it is best, where possible, to use the latter in conjunction with stable manure or crop residues.

In using acid phosphates, two-thirds of the cost of application should be charged to the first crop, and the remainder to the crops that follow. The department also calls attention to the importance of ordering phosphates immediately for use on wheat this fall.

SHOULD THIN GARDEN CROPS

Vegetables, to Make Proper Growth, Must Be Given Room.

By ROBERT E. LOREE,
Department of Horticulture, Michigan Agricultural College.

East Lansing, Mich.—Crowding plants in the garden is almost as detrimental to their best growth as the huddling of people together in tenements. Garden crops, like men and women, must have room, and if the vegetables haven't been thinned out, now is the time to start.

It is a fault of most gardeners that they sow too many seeds in the row, with the result that the plants, when they come up, soon become crowded, and suffer from lack of moisture, light and plant food. A small amount of thinning, therefore, is necessary, even when seeds are carefully spaced with the seed drill. A few plants well spaced in the row will yield better, and produce a higher quality product than a larger number of plants growing under crowded conditions.

Commence to thin just as soon as the size of the plants and the ravages of insects will permit. Bear in mind that thinning should be a process of selection; that is, all weak plants should be discarded, leaving only the most vigorous to mature.

The following are the distances to which some of the most common vegetables should be thinned: Beets, carrots, turnips, parsnips and salsify, four to six inches, depending on the soil and the variety; rutabagas, eight inches; wax or string beans, four inches; lima beans, twelve inches; onions, two inches; parsley, six inches; cucumbers, four plants to each hill, or if in rows allow two feet between the plants in the row; melons and squashes, two strong plants to each hill.

Aggies to Play Football.

The Michigan Aggies have been called to the colors, and will report for football training at M. A. C. on September 11. As in previous seasons, the early work of the gridders will be conducted at Pine lake, near East Lansing. Director Chester L. Brewer and Coach George E. Gauthier will handle the squad. Notices to report have been sent to all the members of last year's string with the exception of those who have graduated.

STRAW BUILDS UP SOIL

Adds Phosphoric Acid, Potash and Nitrogen to the Land.

By C. E. MILLAR,
Soils Department, M. A. C.

East Lansing, Mich.—The Michigan farmer, as a general rule, is a more or less progressive person, but every now and then you happen upon an individual who still believes that straw stacks are meant to build bonfires with. But the straw stack—and this is truer today than it has ever been—is something to be prized, not alone as a feed, but as a soil builder. Rotting oat straw has the power to render calcium, magnesium, phosphoric acid and other plant food elements much more readily available to the growing crop.

In addition there is much plant food in the straw itself. A ton of straw contains about 5½ pounds of phosphoric acid, 32½ pounds of potash and 11 pounds of nitrogen. Wheat, rye and barley straw have much smaller quantities of potash than has oat straw, but approximately the same amounts of nitrogen and phosphoric acid.

Experiments carried on by the soils department of the experiment station of the Michigan Agricultural college show that an application of 20 loads of muck to the acre will substantially increase the productive power of sandy soil. Straw, however, would be even more effective in this regard than muck, because it is more easily decomposed by the soil bacteria. Straw is also used in some localities to prevent soil blowing, but when it is employed for this purpose it should be disked into the surface soil.

All straw which will not be used for feed or bedding should be applied to the ground prepared for wheat this summer. If sandy soil is to be planted to wheat, about two tons of straw to the acre should be applied to these fields. If well-rotted, it may be disked into the surface soil; otherwise it should be plowed under. The potash contained in the straw is of particular value on these light sandy soils.

Summer Session Ends.

The summer session of the Michigan Agricultural college ended on August 3. The fall term will begin in September at the usual time, despite war plans.

STUDEBAKER MAN GIVES OUT FACTS

Declares Tanlac Overcame Trouble of Ten Years Standing.

GAINED TEN POUNDS

"Three Bottles of Tanlac Did Me More Good Than All the Other Medicine I Took Put Together," He Says.

"I have not only gotten rid of all my ten years of suffering by taking Tanlac, but I have actually gained ten pounds besides," said Chas. J. Bemiss, a painter and finisher, employed by the Studebaker Motor Co., and residing at 839 Rohns Ave., Detroit, Mich.

"I was troubled with a bad stomach for ten years," continued Mr. Bemiss, "and guess I had about all the miserable feelings anybody ever had from indigestion. Gas would form on my stomach and rise up around my heart and make it difficult for me to breathe. I was very nervous, hardly ever got a good night's sleep and had a tired and languid feeling that made me dread my work. Many a night I left the plant hardly able to make it home. I tried all kinds of medicine and treatment without getting any benefit and lost weight and strength until my condition became alarming.

"I have taken three bottles of Tanlac and I now feel like my old self again for the first time in years. I sleep sound as a dollar and get up in the mornings feeling fresh as a flower, eat a hearty breakfast and go to my work feeling fine. The nervousness and constipation are gone, and I don't have the headaches any longer. I eat just anything I want and my ten pounds increase in weight shows the fine work Tanlac has done. I can now work from daybreak to dark without getting tired. Yes, sir, those three bottles of Tanlac did me more good than all the other medicines I ever took put together."

There is a Tanlac dealer in your town.

Must Have Been Somewhere.

Mother—That hole was not in your glove this morning, Molly.

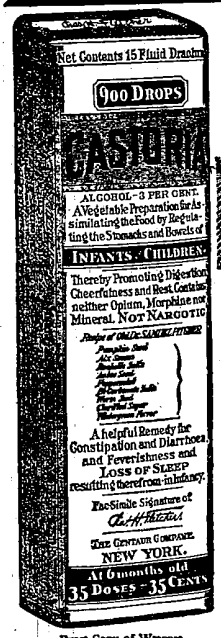
Molly—Where was it then?

WRIGLEY'S

The goody that is beneficial to teeth and stomach is best for children.

Wrigley's is Helpful to all ages. It massages and strengthens the gums, keeps teeth clean and breath sweet, aids appetite and digestion.

The Flavor Lasts



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Children Cry For Fletcher's CASTORIA

What is CASTORIA

Castoria is a harmless substitute for Castor Oil, Paregoric, Drops and Soothing Syrups. It is pleasant. It contains neither Opium, Morphine nor other narcotic substance. Its age is its guarantee. For more than thirty years it has been in constant use for the relief of Constipation, Flatulency, Wind Colic and Diarrhoea; allaying Feverishness arising therefrom, and by regulating the Stomach and Bowels, aids the assimilation of Food; giving healthy and natural sleep. The Children's Panacea—The Mother's Friend.

GENUINE CASTORIA ALWAYS
Bears the Signature of
Chas. H. Fletcher.

In Use For Over 30 Years
The Kind You Have Always Bought
THE CENTAUR COMPANY, NEW YORK CITY.

When Mark Moved.

When Mark Twain was young and struggling, a friend of his met him walking through the streets with a cigar box under his arm. She said to him:

"Mr. Clemens, whenever I see you there is a cigar box under your arm. I'm afraid you are smoking too much."

"It isn't that," said the imperturbable Mark; "I'm only moving again."

SKIN TORTURES

That Itch, Burn and Scale Quickly Relieved by Cuticura—Trial Free.

It takes about ten minutes to prove that a hot bath with Cuticura Soap followed by gentle applications of Cuticura Ointment will afford relief and point to speedy healment of eczemas, itchings and irritations. They are ideal for all toilet purposes.

Free sample each by mail with Book. Address postcard, Cuticura, Dept. L, Boston. Sold everywhere.—Adv.

No sadder proof can be given by a man of his own littleness than disbelief in great men.—Carlyle.

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NOTRE DAME, INDIANA
Offers Complete Course in Agriculture
Full courses also in Letters, Journalism, Library Science, Chemistry, Pharmacy, Medicine, Architecture, Commerce and Law.

Thick.

A teacher asked her class to write an essay on London. She was surprised to read the following in one attempt:

"The people of London are noted for their stupidity."

The young author was asked how he got that idea.

"Please, miss," was the reply, "it says in the text-books the population of London is very dense."—New York Globe.

Some folks are so industrious that when they haven't anything else to do they worry.

When Your Eyes Need Care Try Murine Eye Remedy
No Smarting—Just Eye Comfort. 60 cents at Druggists or Mail. Write for Free Eye Book.
MURINE EYE REMEDY CO., CHICAGO

EYES OF GOVERNMENT ON AMERICAN WOMEN
Government takes whole output of many canning factories for the army. Asks women to can peas, beans, corn, tomatoes, etc. Everkeep the new harmless canning compound insures success. A large package sent Free on receipt of 50 postage for mailing. 10c, 25c, 50c, $1 pkgs. EVERKEEP CANNING CO., LAWTON, MICH.

A GUARANTEED REMEDY FOR HAY FEVER--ASTHMA
Your MONEY WILL BE REFUNDED by your druggist without any question if this remedy does not benefit every case of Asthma, Bronchial Asthma and the Asthmatic symptoms accompanying Hay Fever, no matter how violent the attacks of distress the case
DR. R. SCHIFFMANN'S ASTHMADOR
AND ASTHMADOR CIGARETTES
positively gives INSTANT RELIEF in every case and has permanently cured thousands who had been considered incurable, after having tried every other means of relief in vain. Asthmatics should avail themselves of this guarantee offer through their own druggist. Buy a 50-cent package and present this announcement to your druggist. You will be the sole judge as to whether you are benefited and the druggist will give you back your money if you are not. We do not know of any fairer proposition which we could make. (1)
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