

## It Always Helps

says Mrs. Sylvania Woods, of Clifton Mills, Ky., in writing of her experience with Gardui, the woman's tonic. She says further: "Before I began to use Gardui, my back and head would hurt so bad, I thought the pain would kill me. I was hardly able to do any of my housework. After taking three bottles of Gardui, I began to feel like a new woman. I soon gained 35 pounds, and now, I do all my housework, as well as run a big water mill."

I wish every suffering woman would give

# GARDUI

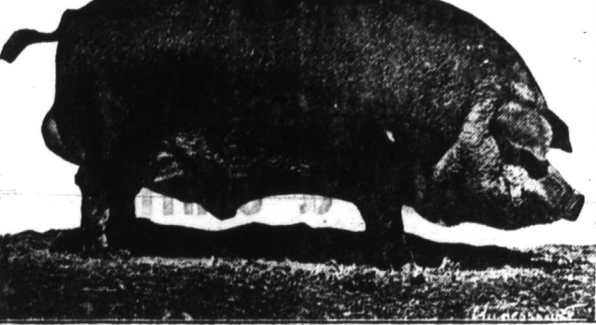
## The Woman's Tonic

a trial. I still use Gardui when I feel a little bad, and it always does me good."

Headache, backache, side ache, nervousness, tired, worn-out feelings, etc., are sure signs of womanly trouble. Signs that you need Gardui, the woman's tonic. You cannot make a mistake in trying Gardui for your trouble. It has been helping weak, ailing women for more than fifty years.

**Get a Bottle Today!**

## UNSANITARY QUARTERS CAUSE PIG LOSS



SOUTH IS FINE PLACE TO RAISE PORK

(By R. G. WEATHERSTONE.)

Unsanitary conditions—dirty feeding places—may give pigs "scours" and cause them to cough. Keep the pig in clean quarters.

Sometimes we say pigs are "sorry-looking." They do not seem to be doing well. They dump around.

Perhaps they are troubled with worms in the intestines. Worms are especially likely to occur when pigs are not well cared for. Filthy yards, troughs and hog "wallows," impure water, and poor feeding favor worms.

Pigs with worms become weak and poor. They have no strength, no vitality, and they sicken easily.

A little turpentine once a month in their feed, followed the next day by the same amount of coal oil for a physic, will rid pigs of worms.

Did you ever take turpentine? Is it good-tasting? Do you suppose the pig like it?

We may need to work some kind of a scheme in order to get pigs to eat it. Can you think of anything to do?

How would it do to let them go without their feed over one feeding time, then fix up something which they like especially well—milk, bran mash or cornmeal, or something of that sort, and mix the turpentine into this food.

Up to the time pigs are two months old a teaspoonful of turpentine twice a month, and the same amount of coal oil the following day, is about the right amount to give. After pigs weigh 200 pounds they can take a tablespoonful of these remedies.

Lice bother pigs. Now you all know a pig can't get very fat if it is annoyed by hundreds of these little pests.

If I were feeding a pig, I would feed pig, and I think I should object to lice eating off that pig.

There isn't any need of pigs or people having lice. Keep the pigs clean, and sprinkle crude oil or coal oil around.

Wrap a gummy sack around a post where the pigs can rub against it, and nail it fast so it will stay in place. Occasionally pour crude oil or coal oil over this sack.

Lice breathe through the pores of the skin. The pigs will rub against the post, the lice will be covered with oil, the oil will stop up the pores and so kill the lice.

Whitewashing the pens, cleaning out the sleeping places and furnishing them with fresh, dry bedding helps to keep pigs free from lice.

## PLAN CROP ROTATION

### Best and Cheapest Method of Soil Improvement Offered.

Suggestions Made by Expert of Florida Extension Division—Do Not Fail to Work in Legumes Whenever Possible.

Crop rotation offers the best and cheapest method of soil improvement. Single cropping depletes fertility and invites disaster through disease. The farmer should lay plans this fall for a crop rotation which will cover a number of years. C. K. McQuarrie, state agent for the University of Florida extension division, offers two points which should be kept in mind in working out a rotation.

Rotate so that no two crops of the same kind or rooting system follow each other. For example corn and oats have about the same feeding systems and should not follow each other as a rule. The second point is to follow soil-depleting crops, such as the grains, with legumes. Every system of rotation should contain legumes.

McQuarrie offers the following suggestions for trucking rotations: First year, watermelons, followed by velvet beans at the last working. Pasture the beans or cut them for hay. Use oats for a cover crop. Second year, tomatoes, followed by sorghum for forage or silage. Sow rye as a winter cover. Third year, eggplant, Yonahona beans. Pick the beans and plow the vines under. Oats may be used as a cover crop.

For celery growers the following is offered: First year, celery, followed by boggarweed. Cut the boggarweed for hay and turn the stubble under. Second year, celery, cowpeas and German millet. Cut the mixture for hay and turn the stubble under. Third year, celery, corn and cowpeas. Plow under the vines and stubble.

It may not be desirable to use the crops named in the rotations, but if substitutions are made they should be made from crops similar to those given. Do not fail to work in legumes wherever possible.

## GRADING AND ROLLING ROADS

### Steel Device Invented to Correct Certain Degree Fault of Drags on Dry Highways.

Split logs and drags and commercially manufactured drags involving the basic principle of Mr. D. Ward King's simple splitting drag. It has done much for the dirt roads of the nation, and these make up the bulk of the mileage of the country roads of this nation. The originator of this type of drag advocated their use while the road was still muddy, to "puddle" the dirt of the road's surface and so make it more waterproof as well as to smooth the surface of the road. This is the best time to use them, for then they accomplish these two tasks so important to the making of a good dirt road. But for some reason or other the bulk of users of road drags persist in using them only after the surface of the road has become dry and rough after a rain, simply to smooth it.

When used in this way, all the drags of this type have one basic fault; they leave a ridge of loose dirt in the center of the road. If the weather continues dry and hot, this soon dries and pulverizes into dust, to be blown about with the shifting winds. If it rains, this loose dirt quickly absorbs a large amount of water and turns into mud—much quicker than it would have been if it had been packed firm and hard. Instead of being loose and porous. Herewith is shown a drawing of a steel drag of this same kind which is designed to correct to a certain degree at least this fault of drags when used on dry ground. It is designed to pack more or less firmly this little ridge of loose dirt which is

## The Tongue and Typhus.

According to P. Remlinger, quoted in the Journal of the American Medical Association, an infallible method of telling whether a patient has typhoid (or paratyphoid) or the much more serious typhus, is to ask him to "put out your tongue." The typhoid or paratyphoid patient does it without effort, but if he has typhus he cannot get it beyond his teeth.

## Going Shakespeare One Better.

"You have made a great success of this Shakespeare." "Yes, but I think I can do better. Now I'm going to try an original play."

## PRODUCTION OF BEEF MOST PROFITABLE



MORE BEEF CATTLE NEEDED IN THE SOUTH.

(By W. L. BLIZZARD, Department of Animal Husbandry, Oklahoma A. and M. College, Stillwater.)

The keeping of beef cows and the growing of young beef calves ought to be encouraged. This seems to be the kind of beef production that is going to be profitable in the next few years in beef producing sections. The successful cattleman must be a good judge of cattle. What we need is more beef cattle that show that they have been developed by intelligence and good judgment.

Good selection and mating is impossible without definite knowledge of what constitutes a good animal and ability to discriminate against the undesirable inferior sire. It is not possible to have all pointed on Oklahoma farms, but it is possible to replace all the scrub, crossed and grade bulls with bulls that have the individuality and breeding to insure improvement.

Remember the consumer determines largely the type of beef animals we shall raise. Therefore the producer should study the market end of the meat business, find out what the market demands, and then develop his breeding operations accordingly.

## CHARACTERS OF SEEDS

### Close Relationship of Sudan and Johnson Grasses.

May Be Distinguished When Their Comparative Size and Certain Features of Appearance Are Taken Into Consideration.

(By F. H. HILLMAN.)

The close relationship of Sudan grass and Johnson grass leads to a pronounced similarity in their seeds. The two kinds of seed can be distinguished, however, when their comparative size and certain features of their appearance due to differences in development are considered.

When properly interpreted, the distinguishing characters are believed to be sufficiently reliable to make an accurate quantitative analysis of a mixture of the two kinds of seed, even though unhulled grains of both grasses are present.

When the seeds of the two kinds are under observation, the larger size of the Sudan grass seeds, including the hull, is readily noticeable. The lighter color of the unhulled grains is also evident.

Distinguishing characters presented by either of the two kinds of seed observable in the absence of the other depend chiefly on a difference in the development of the plants preparatory to seed fall. This may best be understood by first considering the structure of the terminal clusters of the general seed cluster, or inflorescence taken collectively.

Johnson grass is seen to bear several seeds attached directly at the nodes of the jointed axis of the cluster. Accompanying these fertile or grain-bearing spikelets, which constitute the greater part of the unhulled commercial seed, are several sterile spikelets, each elevated on a stem or pedicel which is attached with a fertile spikelet at the node of the rachis. It is to be noted that the terminal fertile spikelet is accompanied by two sterile spikelets with their pedicels. It is especially to be noted that each node and the apex of each pedicel are marked by a distinct cross-line indi-

## COWPEAS GROWN IN SUMMER

### Valuable Crop to Precede and Follow Grain—Roots and Stubble Left Behind Enrich Soil.

(By J. F. NICHOLSON, Agronomist, University of Arizona.)

Cowpeas may be grown during the summer, being a valuable crop, therefore, to follow and precede grain crops where sufficient water for their culture is available. If fed green or cut for hay, the roots and stubble left behind enrich the soil; and if the entire growth be plowed under, a still greater addition is made to the fertility of the field. The fact that they grow only during summer when irrigation water is comparatively scarce has prevented an extensive culture as would be possible with a more abundant water supply. The Whippoorwill is the variety most commonly planted, although the blackeyed cowpea is recommended as a feeding crop for all elevations except the highest, where it is not always certain. A better variety for the higher elevations is the New Era.

Cowpeas should be planted from April 1 to August 1, at elevations under 3,500 feet, from May 5 to July 1 under 5,000 feet, and from May 10 to June 15 at elevations over 5,000 feet. The later dates are for dry farming sections over 3,500 feet. They are not successful at a lower altitude except under irrigation.

## WAIT UNTIL COW FRESHENS

### Not Advisable to Milk Three-Year-Old Heifer Before That Period, Says an Expert.

A dairymen wants to know if it is a good idea to milk a three-year-old heifer before she freshens. Prof. W. L. Fowler of Oklahoma A. and M. college says it is rarely necessary to milk a heifer before freshening.

"It sometimes happens," says Professor Fowler, "that the udder is caked and pains the cow, so that it is almost necessary to milk her a little before she freshens. Try to avoid milking a heifer before freshening, if possible, as she will give more milk after freshening than she would if milked before that time."

## STRONG ADDRESS BY TAFT AT NASHVILLE

Nashville, Tenn.—Five thousand people heard President Taft deliver a strong address here in the interests of a World League to Enforce Peace and in explanation and justification of the entrance of the United States into war with Germany.

## Help For Girls Desiring Education.

We have on our campus an apartment house, a two story building of 25 rooms with a frontage of 100 feet which may be used by girls who wish to form clubs and live at their own charges.

Pupils can live cheaply and comfortably in this way, many of them having the same supplies sent to them from their homes.

For further information address: J. M. Rhodes, Littleton College, Littleton, N. C.

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## PRESIDENT ASKS JOINT CONGRESS TO DECLARE WAR

### COURSE OF GERMAN GOVERNMENT NOTHING LESS THAN WAR AGAINST U. S.

RECOMMEND FULL NAVY AND ARMY OF 500,000

Declares President in Dispassionate But Unmeasured Denunciation of Course of That Government, Which He Characterized as a Challenge to Mankind and a Warfare Against All Nations, Making Neutrality Neither Feasible Nor Desirable.

Washington.—President Wilson asked Congress, assembled in joint session, to declare a state of war existing between the United States and Germany.

In a dispassionate but unmeasured denunciation of the course of the Imperial Government, which he characterized as a challenge to all mankind and a warfare against all nations, the President declared that neutrality no longer was feasible or desirable where the peace of the world was involved; that armed neutrality had become ineffectual enough at best, and was likely to produce what it was meant to prevent, and urged that Congress accept the gauge of battle with all the resources of the nation.

"I advise that the Congress declare the recent course of the Imperial German Government to be in fact nothing less than war against the Government and people of the United States," said the President, "that it formally accept the status of belligerent, which has thus been thrust upon it, and that it take steps not only to put the country in a more thorough state of defense than we have at present, but to employ all its resources to bring the Government of the German Empire to terms and end the war." When the President had finished speaking, resolutions to declare a state of war existing were introduced in both houses of Congress, referred to appropriate committees and will be debated. There is no doubt of their passage.

The objects of the United States in entering the war, the President said, were to vindicate the principles of peace and justice against "selfish and autocratic power." Without selfish ends, for conquest or dominion, seeking no indemnity or material compensation for the sacrifices it shall make, the United States must enter the war, the President said, to make the world safe for democracy, as only one of the champions of the rights of mankind, and would be satisfied when those rights were as secure as the faith and freedom of nations could make them.

## CLARK IS AGAIN ELECTED SPEAKER BY THE DEMOCRATS

### COMPLETE CONTROL OF HOUSE IS IN THE HANDS OF THE DEMOCRATS.

CLARK GOT 217 VOTES MANN RECEIVED 205


Five Members of Republican Party Did Not Vote For Mann.—Miss Jeannette Rankin is Given an Ovation.

Washington.—The Democrats, with the aid of four of the five independent voters, organized the House when the new Congress assembled, reelecting Speaker Champ Clark, of Missouri, and sweeping into office with him all the other Democratic caucus nominees.

Mr. Clark received 217 votes against 205 for Representative Mann, the Republican choice for Speaker, who not only failed to receive an independent vote, but lost the support of five of his party colleagues.

All the Democrats present voted for Mr. Clark and were joined by Representatives Hall, Progressive, Minnesota; Martin, Progressive-Protectionist, Louisiana; London, Socialist, New York and Randall, Prohibitionist, California. The five Republicans who did not support Mr. Mann were Representatives Gardner, of Massachusetts, who voted for Representative Lenroot, of Wisconsin; Gray, New Jersey, and Dallinger, Massachusetts, who voted for Representative Gillett, of Massachusetts, and Haskell, of New York.

## IS CHOSEN SPEAKER BY AID OF INDEPENDENTS.



and James, of Michigan, who voted "present." Representative Fuller, Independent, Massachusetts, voted for Representative Lenroot.

Nominated by Schall.

To the surprise of the Republicans, Representative Schall placed Mr. Clark in nomination. For a time it was thought that he had done so by inadvertency, but later it developed he had acted through prearrangement with Democratic leaders. He asked permission to address the House just after the first roll call and then after declaring the international situation demanded united support of President Wilson, roused tremendous cheering by announcing that although just an hour and forty minutes after the House convened Mr. Clark, as he had predicted to the minute several days ago, was declared elected and was escorted to the chair by a committee headed by Mr. Mann. In a brief address the Speaker pleaded for united action in the present crisis.

Calling of the roll was replete with outbursts of applause but the lion's share went to Miss Jeannette Rankin of Montana, a Republican, and the first woman to be elected to the House.

## CO-OPERATION AND COUNCIL WITH WARRING NATIONS URGED

### Complete Text of President's Address Sent to All Nations.

Washington.—The President's address was sent in full to Germany by a German official news agency for publication in that country. The text also went to England and a summary of its contents was sent around the world to other nations.

To carry on an effective warfare against the German government which he characterized as a "natural foe to liberty," the President recommended:

"Utmost practical co-operation in counsel and action with the governments already at war with Germany

"Extension of liberal financial credits to those governments so that the resources of America may be added so far as possible to theirs.

"Organization and mobilization of all the natural resources of the country.

"Full equipment of the navy, particularly for means of dealing with submarine warfare.

"An army of at least 500,000 men, based on the principle of universal liability to service, and the authorization of additional increments of 500,000 each as they are needed or can be handled in training.

"Raising necessary money for the United States government so far as possible without borrowing and on the basis of equitable taxation."

All preparations, the President urged, should be made in such way as not to check the flow of war supplies to the nations already in the field against Germany.

Measures to accomplish all these ends, the president told Congress, would be presented with the best thought of the executive departments which will be charged with the conduct of the war, and he besought consideration for them in that light.

President Wilson's appearance before Congress was marked by a scene of the greatest enthusiasm ever shown since he began the practice of delivering his addresses in person. Crowds on the outside of the Capitol cheered him frantically as he entered and as he left. Congress roared cheer after cheer in an outburst of enthusiasm.

## PACIFIST IS STRUCK DOWN BY SENATOR LODGE.

Washington.—A personal encounter between Senator Lodge of Massachusetts and Alexander Bannwart, of Dorchester, Mass., in which the senator knocked his opponent down, occurred in the corridors of the capitol. Bannwart and several men and women of a pacifist delegation, called Senator Lodge to the door of his committee room and asked him to vote against war with Germany.

## COTTONSEED MEAL FOR COWS

### Southern Scientist Finds Oil May Be Detected in Butter Within 12 to 35 Hours After Fed.

A southern scientist has found that cottonseed meal can be detected in the butter made from cows fed cottonseed meal within 12 to 35 hours after first feeding. From the time of the first appearance the test for cottonseed oil became more pronounced, until the seventh day, when the influence of the oil appears to be at its maximum. After two, four and six weeks' continuous feeding of oil the effect is no more pronounced. In most cases even less than at the end of the first week. When the oil is removed from the ration its effect apparently disappears within one or two weeks. The results would indicate that the oil is not transferred directly to the milk fat, but enters the milk fat only after it has undergone some change in the animal body.

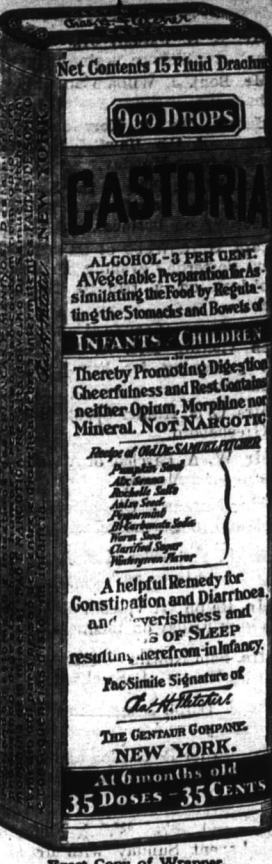
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Also the Best one or the ever-bearing kinds; bears the best flavored berries from Spring until the snow flies. Free Booklet, Wakefield Plant Farm, Charlotte, North Carolina. 17Feb20

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Exact Copy of Wrapper.

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The reputation of this oil, reliable medicine for constipation, indigestion and liver trouble is firmly established. It does not irritate other medicines. It is better than others, or it would not be the favorite liver powder, with a larger sale than all others combined.

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Will Positively Relieve Pain in Three Minutes!

Try it right now for Rheumatism, Neuralgia, Lumbago, sore, stiff and swollen joints, pains in the head, back and limbs, corns, bunions, etc. After one application pain disappears as if by magic.

A never failing remedy used internally and externally for Coughs, Croup, Sore Throat, Eruptions and Tonsillitis.

This oil is conceded to be the most penetrating remedy known. Its prompt and immediate effect in relieving pain is due to the fact that it penetrates to the affected parts of the body. An illustration, pour ten drops onto the thickest piece of sole leather or any material that will penetrate the substance through and through in three minutes.

Accept no substitution. This great oil is sold in 50¢ bottles only. Every bottle guaranteed to be a genuine. Write today.

HAYES DRUG COMPANY.

## ADMINISTRATOR'S NOTICE.

Having qualified as administrator with the will annexed of the estate of George W. Sutton, dec'd, it is to be notified that I, E. H. Murray, Adm'r, do hereby claim against said estate, dec'd, on or before the 29th day of February, 1918, or this notice will be pleaded in bar of their recovery; and all persons indebted to said estate are requested to make immediate settlement.

This is the 29th day of Feb'y, 1917.

E. H. MURRAY, Adm'r with will annexed of George W. Sutton, dec'd.

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