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Lupine Rebecca Lodge No. 116, I. O. O. F. Meet regularly every Friday evening. Visiting members are cordially invited to meet with us. Home members are expected to be present. By order of the Lodge. Mrs. Mattie Mitchell, N. G. Mrs. S. A. McCoy, Secretary.

Eureka Lodge No. 121 A. F. & A. M., Moro, Or. Meets the first and third Thursday evenings of each month Visiting members cordially invited to meet with us. By order of the W. M. J. M. Parry, Secretary.

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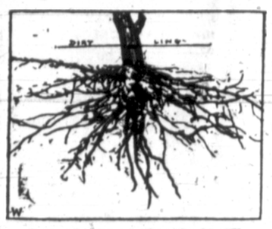
FARM AND GARDEN

TOBACCO GROWING.

Interesting Points In the Culture of the Dark Tobacco of Virginia.

By Messrs. M'NESS and MATTHEWSON, tobacco experts, bureau of soils.

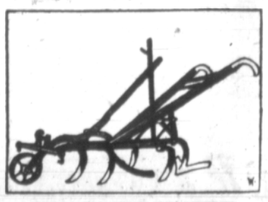
The dark shipping tobacco is generally raised on rich lands and cured with open wood fires. England, France, Germany, Spain, Austria and Italy take the bulk of this tobacco, although the higher grades are used at home for plug wrappers. This tobacco is produced to greater or less extent throughout the tobacco belt of Virginia, but the most of it is grown south of James river in territory extending from Petersburg on the east across the Piedmont plateau to the edge of the Blue Ridge, with Lynchburg and Petersburg as the most important market centers.



ROOT SYSTEM OF TOBACCO PLANT.

In Virginia the practice is to follow tobacco with wheat and the wheat with clover for two years and then back to tobacco. On the tobacco it is the custom to apply per acre 400 pounds of a fertilizer analyzing 3 per cent ammonia, 9 per cent phosphoric acid and 3 per cent potash. This adds to the soil a total of twelve pounds of ammonia, thirty-six pounds of phosphoric acid and twelve pounds of potash per acre. It is noticeable that the requirements of tobacco for phosphoric acid are very small, but as a matter of field practice it is found that the crop will show signs of suffering from lack of this substance unless the available supply is very much in excess of the amount actually taken up by the crop. Where wheat follows tobacco no additional fertilization is given, dependence being solely upon the natural resources of the soil and the remnants of the application given the tobacco. It is seldom that more than ten or fifteen bushels of wheat to the acre is harvested.

Tobacco is a crop that with an increase in yield usually gives a corresponding increase in quality, provided the soil conditions and management are right. It has often been found that it pays to apply very large amounts of fertilizer to a tobacco crop where it might not have proved profitable to do so with other and lower priced farm crops. The Virginia farmers generally cultivate their crops deeply, thus injuring the root system which is spreading near the surface. The rule is to give the tobacco three cultivations, using a one horse implement (the first two with a double shovel—plow and the last with a turning plow), and two hoeings by hand. Except in the case of low lying fields, where there is danger from standing water, it is best to discard the turning plow entirely and use nothing but implements for shallow cultivation. This has been fully demonstrated in recent experiments where the efficiency and profitableness of frequent and shallow cultivation of tobacco have been studied. The shovel plow may be used to advantage and is recommended for the first cultivation. At this time the roots of the plants have not spread into the row and the soil is likely to be packed from heavy rains and from tramping it at the time of setting. Deep, thorough breaking out of the middles is to be advised at this time, and the double shovel plow with narrow blades is about the best tool available.



CULTIVATOR WITH ATTACHMENTS.

As the plants grow and the roots begin to occupy the soil between the rows deep cultivation should be stopped and frequent shallow cultivation substituted. For this purpose a five toothed cultivator (Fig. 60), with an eighteen inch sweep and a depth regulating attachment, is recommended. This will keep down the weeds and preserve an effectual soil mulch, which retards surface evaporation without doing injury to the roots. About six cultivations are necessary to keep the soil in good tilth, or an average of one a week between the setting and topping seasons, the soil being worked a little toward the plant at each cultivation.

Caps For Harcocks.

For the benefit of those who are unwilling to purchase caps for covering the cocks we wish to say that alfalfa, properly cocked, will shed water just as well as clover—in fact, many farmers claim that it will shed water even better and that it is no more difficult to cure than clover in any season. While this may be true, we urge the use of caps for the reason that alfalfa is so much more valuable than clover, and a little extra expense in this line is money well invested.—Farmers' Tribune.

FIGHTING THE SEA.

Holland's Continuous Performance In Preventing Floods.

Holland is a country of wooden piles and dikes, for the people are perpetually fighting against the encroachments of water. One building in Amsterdam rests on no fewer than 13,659 piles, though the dikes around the town, which have been erected at enormous expense, effectually prevent any chance of a flood. The streets of the flourishing port of Rotterdam even are frequently under water in the winter, and in some parts of south Holland the people are compelled to do their shopping in boats.

When the Zuyder Zee breaks on to the land, those who wade up to their knees along the streets of a flooded village meet all manner of fish. This is explained by the fact that the Zuyder Zee, with its mud bottom, is literally crammed with finny tribes; and one authority states that if it were well scraped of all its fish one year, it would be full again the next.

The land of Holland is really of four distinct levels, and from ten to twelve feet between the highest and the lowest. To make the land dry, the water is pumped from the lowest level to the one immediately above it, and so on, until the water has been returned again to the sea. A large number of engineers are specially engaged to look after the dikes, and no less a sum than $2,500,000 is expended every year in keeping these fortifications against the sea in proper repair.

SOFT CRABS.

After Shedding the New Shells Harden With Great Rapidity.

The supply of soft crabs for market is obtained by catching hard crabs and keeping them until they shed their shells. For this purpose large rectangular floats, made of laths and planking, are employed, and three or four times every day the stock on hand is carefully inspected, all the soft crabs being picked out and packed without delay. They are put into shallow boxes of moist seaweed, from ten to thirty-five dozen in a box, according to the size of the animals. When the packing is done carefully the occupants may be kept alive from sixty to seventy hours after leaving the water.

Crabs have been shipped all the way from the Chesapeake to Canada, arriving at their destination in good condition. In summer, of course, ice is used.

But where soft crabs are concerned it is necessary that they shall reach the market quickly, because their new shells harden with great rapidity. At the end of twelve hours the shells are like parchment, and in three or four days the crab is as hard as ever—hence unfit for use in the form most highly approved by epicures.—New York Herald.

Nautical Etiquette

They were on their honeymoon. He had bought a catboat and had taken her out to show her how well he could handle a boat, putting her to tend the sheet. A puff of wind came, and he shouted in no uncertain tones, "Let go the sheet." No response. Then again, "Let go that sheet, quick." Still no movement. A few minutes after, when both were clinging to the bottom of the overturned boat, he said:

"Why didn't you let go that sheet when I told you to, dear?"

"I would have," said the bride, "if you had not been so rough about it. You ought to speak more kindly to your wife."—New York Post.

Long and Short Days.

At Hamburg, Germany, the longest day occupies seventeen hours and the shortest seven. At Stockholm, in Sweden, the longest has eighteen and a half hours and the shortest five and a half. At St. Petersburg the longest has nineteen and the shortest five hours. In Finland the longest has twenty-one and a half hours. In the northernmost parts of Norway the longest day lasts from May 21 to July 2, the sun not sinking below the horizon during this period, but skimming along very close to it in the north. At Spitbergen the longest day lasts three months and a half.

The Word "Privilege."

"Privilege," seen so often of late in the phrase "special privilege," has been used commonly to signify a right, immunity or benefit enjoyed by a person beyond the common advantages of other individuals. Primarily, however, the word signifies an ordinance in favor of an individual, and this is in keeping with its derivation—"privus," one's own, private, and "lex," law. It is in this old sense that Chaucer uses the word.

How to Arrive.

Man has to be humbugged if one would command him, and he has no use for the humble person. The way to get into a publisher's or editor's office (or indeed any other with a man at the head of it) is with a tremendous show of bounce and swagger.—A Spinster in M. A. P.

Dog Days and Rabies.

There is not the remotest connection between dog days and rabies; indeed, the records show that the fewest cases of rabies occur in July and August. There are more cases in April, November and December than in any other months.—Springfield Union.

A Fine Art.

Zabzin—How's this for a neat little work of art? It's worth over $10, but I managed to get it for $1. Jabzin—Where's the art in it? Zabzin—In getting it for $1, of course.

What men prize most is a privilege, even if it be that of chief mourner at a funeral.—Lowell.

JINGLES AND JESTS.

The Old Story.

When Ebenezer
Went to woo
Miss Sarah Jane,
A pretty miss,
At first they sat
Thus far apart,
But now they sit
Aboutlikethis.
—Milwaukee Sentinel.

His Mistake.

"Failed? Why, I thought he was getting into the very strongest financial combine in the street."

"So did he, but it seems it got into him."—Philadelphia Ledger.

This Would Help Some.

This world would be a pleasant place
If cunningly all men might learn
To make their salaries keep pace
With what their wives pretend they earn.
—Chicago Record-Herald.

Choose Well Your Doctor.

Sweet Girl—What did you give mamma for her cold?

Her Lover (a young physician)—Opium. She won't bother us tonight.—New York Weekly.

Jingle of the Jungle.

Said the elephant to the giraffe,
"Your neck is too long by haffe."
Said the giraffe, "Your nose
Reaches down to your toes,
So at me you have no cause to laffe."
—Chicago News.

No Comfort In That.

Kwoter—You know, they say "pity is akin to love," and so—

Glumley (despondently) — Perhaps; but it's a very poor relation.—Catholic Standard and Times.

Transformed.

'Twas by the sea he first began
Her many charms to doubt.
Fresh she appeared on going in,
But salt as she came out.
—Brooklyn Eagle.

The Only Excuse.

"Why, mamma, Mr. Mushy never drinks!"

"Hush, my child. I was only trying to excuse his silliness to your father."—Detroit Free Press.

The Truth of It.

Men using "appetizers" might,
If they would only think,
Admit they rouse no appetite
Save one for further drink.
—Philadelphia Press.

Can Outthrow Mother.

Mike—Kin yure wolfe cook as good as yure mother used to, Pat?

Pat—She cannot; but Oi niver mintion ut. She kin throw considerable betther.—Judge.

No Ma'am.

No wonder by the countryside
The girls grow melancholy.
Dame Nature tells what Katy did,
But never mentions Cholly.
—New York Press.

The Suffrage Question.

Britannia—Now, see 'ere, John, do I 'ave a say in the running of this 'ouse or do I not?

J. Bull—Ow, don't bawther me!—Montreal Star.

A Hint.

The weather changes round so fast,
Both sun and shower so quick,
'Tis best to take an "umberel"
'Long with your walking stick.
—Baltimore Sun.

Willing.

He—What would you say if I kissed you?

She—What would I say? Why—let me see!—Yonkers Statesman.

Pride Succumbs.

For pride must have a fall, 'tis said,
No matter who may scoff.
~~The proudest coat that e'er was made~~
In summer will come off.
—Cleveland Plain Dealer.

Sometimes Truthful.

"Is Mr. Gaylad a truthful man?"

"Occasionally. Whenever he sings 'I won't go home till morning' he keeps his word."—Houston Post.

Sequence.

Much by a little phrase is meant.
In jest some wise old thinkers spoke—
Full oft a man on pleasure bent
Is later on through pleasure broke.
—Judge.

Just So.

"Papa, what does 'Hon.' mean?"

"Oh, that, my son, is the common or garden abbreviation of the word 'grafter.'"—Puck.

Strange, but True.

Now, here's a truth, though doubtless
It seems quite odd to say it:
One has to lose one's temper
Before one can display it.
—Bohemian Magazine.

A Paradoxical Pup.

"Is that new bull pup that Bliggins has bought a handsome specimen?"

"No; he isn't ugly enough to be considered handsome."—Washington Star.

Says the Boarder.

The fare they give us where we board
Suggests such thoughts as these:
If "the pen is mightier than the sword"
What's mitier than the cheese?
—Catholic Standard and Times.

Same Thing.

"That is my 'mourning ring.'"

"Why it looks like a wedding ring."

"It is."—New York Press.

No Wonder.

She wears a baggy bathing suit;
Her big straw hat that's far from cute.
No wonder that the breakers roar
Whenever she appears on shore.
—Washington Star.

Poor Dogs!

Hewitt—Gruet is going to the dogs.

Jewett—Well, I'm sorry for the dogs.
—Bohemian Magazine.

One Advocate.

There's some joy in this fateful world,
I have my share of glee—
And just because my ten-year-old
Can spell like Carnegie.
—Judge.

Save Us From Our Friends!

Miss Abigail Snapper—I don't want to break up your meeting, Professor Halibut, but I'm going to marry Mr. Skatefish in order to reform him, so you must stop dosing him with fishermen's bait and having him pose as a terrible example.—Harper's Weekly.

Very Brilliant.

Mrs. Beetle—That will be a very brilliant wedding of Mr. Roach's daughter.

Mr. Beetle—I suppose so.

Mrs. Beetle—Yes, all the fireflies in the neighborhood are invited.—Philadelphia Press.

A Japanese Wizard.

Japan is the land of jugglers, and fashionable Japanese always have them at any large entertainment they give. One very clever old man goes around in a single cotton gown, with two baskets full of "properties" over his shoulders and, putting them down anywhere, performs his tricks, with the expectant audience encircling him. A hatful of coppers rewards him sufficiently, and he goes on to eat fire, disgorge eggs, needles, lanterns and smoking pipes at the next place. At a recent Japanese dinner a foreign guest determined to have no optical illusions about what the jugglers did. He never allowed his glances to be distracted and was not once off his guard. Noticing this the old juggler played to him entirely. An immense porcelain vase was brought in and set in the middle of the room and the juggler, crawling in, let himself down into it slowly. The skeptic sat for half an hour without taking his eye from the vase, which he was convinced was sound and firm and stood on no trapdoor. After this prolonged watch the rest of the company assailed him with laughter and jeers, and pointed to his side, where the old juggler was seated fanning himself, and had been seated for some minutes.—Dundee Advertiser.

An English View of Hustling.

We are often invited to admire the speed at which American workmen work. Is it admirable to see men old before their time? Ought we to admire a system which is calculated to tax every man's energy up to the pain limit, which forces him to exert himself feverishly, which wears away his strength and his spirit and which flings him aside as soon as these begin to flag to make room for a fresh human machine? Hurry is coming to be considered inseparable from efficiency. Thousands of business men, and business women, too, are on the run from morning till night. It is bad, this—bad for themselves; bad for their work; bad for other people, since it makes them irritable and anxious, a nuisance to all around them. Hustling, or, if you prefer the other word, hurrying, is the mark not of the strenuous worker, but of the muddler. The man who never leaves his work alone never gets any good work done. "More haste less speed," says the proverb. That is bedrock truth.—London Answers.

An Unrecognized Opportunity.

"I tell you, Mrs. Juniper," Mrs. Hubbard was saying to her caller, "we often fail in trying to be helpful to needy people because we will not put ourselves in their places and try to see things from their point of view. We consult our own pleasure and our own convenience even in our charitable work. Self sacrifice is nobler than giving. If we were more considerate of"—

Here Mrs. Hubbard was interrupted by the maid, who came to tell her that a woman at the kitchen door wished to speak with her. She excused herself and went out, but returned a few moments later.

"It's a woman with a four-year-old child," she said, "looking for work. I should be glad to have her help Norah with the house cleaning, but of course we can't have that child running over the house. She ought to know better than to go round with such a handicap as that."—Youth's Companion.

We notice that most of the specialists who go into the squab raising business soon give it up. It seems to be one of those things which figure out well on paper, but rarely pan out dividends.

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is pretty nice in

Cold Weather
Stove Weather Cometh

Our Airtight Heaters
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Is Your Hair Sick?

That's too bad! We had noticed it was looking pretty thin and rough of late, but naturally did not like to speak of it. By the way, Ayer's Hair Vigor is a regular hair grower, a perfect hair tonic. The hair stops coming out, grows faster, keeps soft and smooth. Ayer's Hair Vigor cures sick hair, makes it strong and healthy.

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