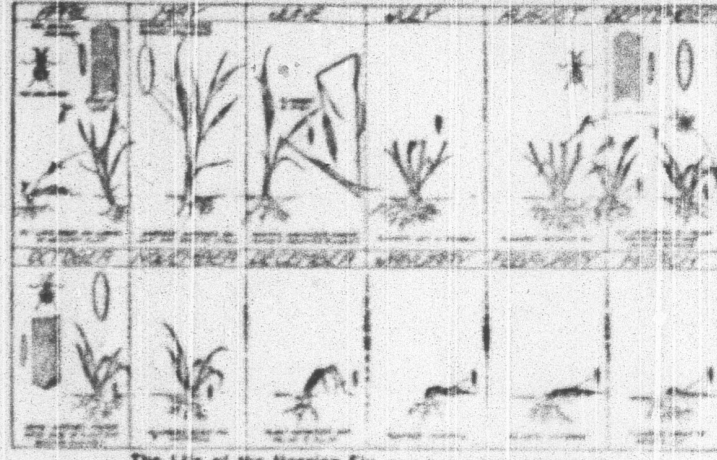


## Fighting The Hessian Fly

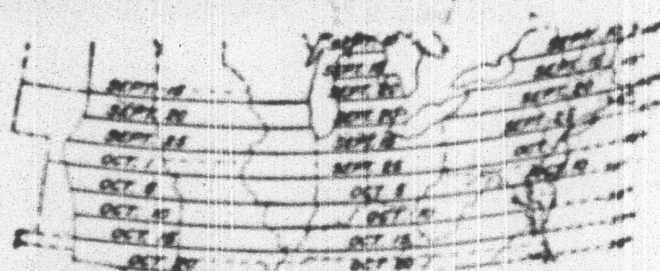


The Life of the Hessian Fly

The life history of the Hessian Fly is shown above. The life of the adult fly is but a few days, probably but a week or less, and the great mass of the flies will appear at about the same time. If the wheat is sown after the flies appear by the time the wheat is up they will be gone and the plants escape the attacks of the fly.

Experiment Stations urge you to sow wheat late in order to escape the Hessian Fly. Experience has taught you that the best yields are secured from plants that enter the winter with strong, healthy growth.

Solve This Dilemma by seeding late and hastening the fall growth by the use of 200 to 400 pounds of fertilizer containing 2% to 3% of available ammonia. Acid phosphate alone will not give the necessary, quick, strong, healthy growth. If the fly does not happen to be present this year, the good effects upon both the wheat and the grass seeded with the wheat, will repay many times the cost of the added ammonia. You cannot afford to be without this Fly Insurance.



Plant On or After These Fly Free Dates

## HOW PARSON BROWN HELPED FARMERS

Studied Up Life History of Hessian Fly and Found Preventive Measures Advocated By U. S. Department of Agriculture

"Mary, I've simply got to find out what the Hessian Fly is and what it does and why all the farmers are continually talking about it without seeming to do anything else," said Parson Brown to his wife, the other evening as he returned from a trip through the country-side. "I'm going to write to the Department of Agriculture and the state experiment station and see if I cannot find out about the pest."

The letters were sent and a few days later several bulletins were received by the Parson, who took them into his study and read them thoroughly several times. He learned the habits of the fly, that the eggs hatch in the late fall, and that the young must have tender young wheat plants upon which to feed and deposit themselves, else they die. Finally in Farmers' Bulletin 649, of the U. S. Department of Agriculture, he read the following statement:

"All practical measures to combat the fly must necessarily be in the nature of preventatives, looking (1) to the elimination of the pest in the young plants in the fall, and (2) to the increasing of the vigor of the young plants in order to enable them to counteract the insect's efforts when present. Under the first come late sowing, rotation of crops, burning of the old stubble, and the destruction of volunteer wheat. Under the second should be classed the enrichment of the soil, its thorough preparation, and selecting and properly sowing the best seed."

In the same bulletin, he found a discussion of the value of some quick acting fertilizer as a preventive measure. The second statement was the following:

"The application broadcast of some quick acting fertilizer containing a large percentage of phosphate (phosphorus) made as soon as general infestation is apparent will cause the plants to tiller more freely and give them sufficient vigor to withstand the winter and thus increase the number of healthy stems the following spring."

While it may seem "far fetched" to bring forward as a preventive measure the enrichment of the soil, a fertile soil will produce plants that will withstand with little injury attacks that will prove disastrous to plants growing on an impoverished or thin soil. It is also on the thin or impoverished soils that the difficulty of sowing late enough to evade the fall attack and at the same time secure a growth sufficient to withstand the winter is encountered, and whatever can be done to obviate this difficulty will constitute a preventive measure."

"Mary, I've not only found out about the Hessian Fly, but I've found out how the Government advises that the pest be combated, and I'm going to get a supply of these bulletins and put the proposition up to the farmers in this community," said Parson Brown. So during the next week, he spent much of his time talking Hessian Fly to the farmers, and the indications are that his work is going to mean more and better wheat per acre in that county.

## BEAT YOUR WHEAT YIELDS!

FARMERS RAISING OVER 30 BUSHEL PER ACRE PROFIT FROM THEIR SEASON'S WORK.

The indicated average yield of wheat for 1916 is reported by the United States Department of Agriculture to be only 14 1/2 bushels per acre compared with 16 1/2 bushels per acre last year. Nine million less acres are in wheat and a decrease in total yield of three hundred million bushels less than last year is predicted. Wheat is a high priced crop and every bushel counts.

Weather conditions during the remainder of the current season will have an effect upon the yields. The early handling of the crop, including the plowing, preparation of the seed bed, the kind of seed used, the attention given to the fertility of the soil, and to the supplying of plantfood to give the crop a good start and carry it along to maturity, are among the factors that determine whether next year's wheat field will make a profit over and above expenses.



FERTILIZER

GOOD SEED

CROP ROTATION

## FAVORS WOMAN SUFFRAGE.

Some time ago a consideration of our economic conditions and tendencies, of the position of women in useful occupations, of the nature and course of the demand, led me to the conclusion that the granting of suffrage to women is inevitable. Opposition may delay, but in my judgment cannot defeat this movement. If women are to have the vote, as I believe they are, it seems to me entirely clear that in the interest of the public life of this country the contest should be opened promptly. I favor the vote for women.—From Mr. Hughes' Speech of Acceptance.

## LURED 3,000 GIRLS

TO VICE DENS  
New York, Aug. 12.—Using well-dressed young men as "bit agents," Yusef Botwin, confessed "King of the New York White Slave Trust," lured 3,000 school girls from their homes into dens of vice in ten years, Smith, who made the confession public today.

Many of his victims were only 16 years old, Botwin told Smith. They came generally from families too poor to provide good clothing and entertainment for them.

Botwin's agents lured around schoolhouses and fitted. Then came gifts of candy, automobile rides to Coney Island and, finally, a trip to a Broadway resort, winding up with a

night in a hotel. Then the girls were lured to write notes to their mothers, saying they had "loped," and were taken to a nearby city where they were kept for a week before they were brought back to New York and paraded in disorderly houses.

"But didn't they ever try to run away and go back to their homes?" asked the Assistant District Attorney. "Older girls might have done that but the ones we handled never went away and go back to their homes!"

Botwin has pleaded guilty to one of the five indictments found against him in the investigation of the "vice girls of candy, automobile rides to Coney Island and, finally, a trip to a Broadway resort, winding up with a

## Prince Albert will show you the real road to smoke-joy!



PRINCE ALBERT was made to create tobacco content where it never existed before! It permits men to smoke all they want without getting a sore tongue, without any comeback but real tobacco enjoyment! The patented process by which Prince Albert is made (and controlled exclusively by us) fixes that—and cuts our bite and parch!

## PRINCE ALBERT the national joy smoke

comes right to your taste fair and square! And it will do for you what it has done for thousands of men—make pipe or cigarette smoking the cheerfulness of your pleasures!

What we tell you about Prince Albert is a fact that will prove out to your satisfaction just as quickly as you lay in a stock and fire-up!



On the reverse side of this pack, the seal will read "Prince Albert, since 1865, 1907," which has made it one of the most popular pipe and cigarette tobaccos.

R. J. REYNOLDS TOBACCO CO., Winston-Salem, N. C.

## PROMISE TO REDUCE THE COST OF LIVING NOT KEPT.

Our opponents promised to reduce the cost of living. This they have failed to do. But they did reduce the opportunities of making a living. Let us not forget the conditions that existed in this country under the new tariff prior to the outbreak of the war. Production had decreased, business was languishing, new enterprises were not undertaken, instead of expansion there was curtailment and our streets were filled with the unemployed. What ground is there for expecting better conditions when the unhealthy stimulus of the war has spent its force and our industries and workmen are exposed to the competition of an energized Europe?

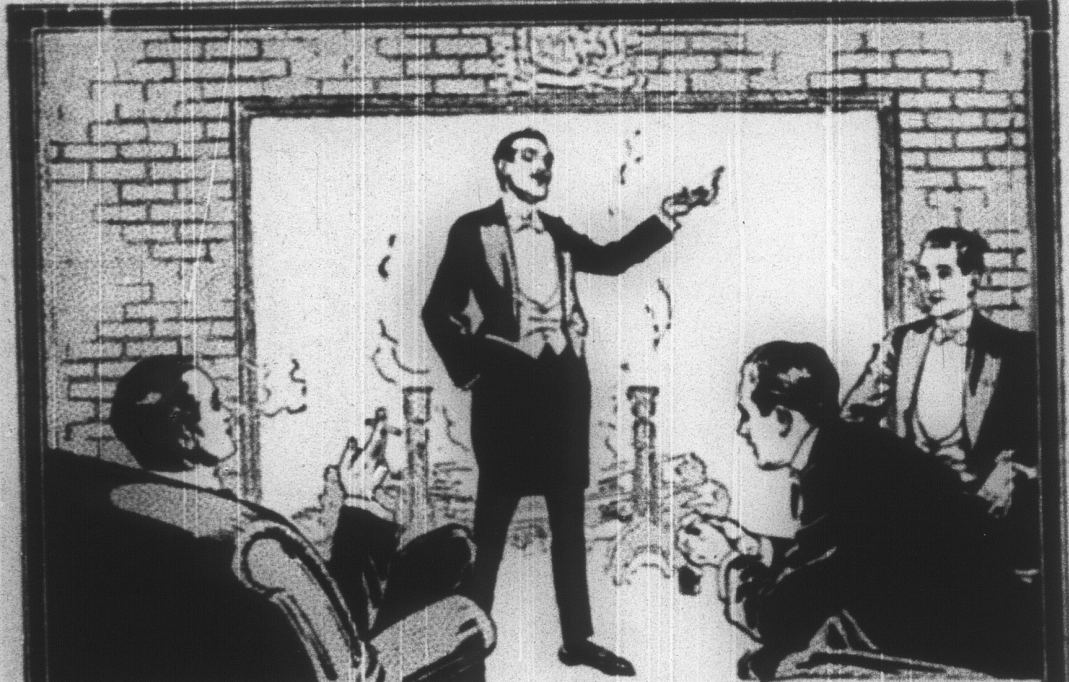
It is plain that we must have protective upholding policies.—Mr. Hughes' Speech of Acceptance.

Patronize our advertisers, they are all boosters and deserve your business.

## DUTY OF THE ADMINISTRATION TO STOP PLOTS AND CONSPIRACIES.

We denounce all plots and conspiracies in the interest of any foreign nation. Utterly intolerable is the use of our soil for alien intrigues. Every American must unreservedly condemn them and support every effort for their suppression. But here also prompt, vigorous and adequate measures on the part of the administration were needed. There should have been no hesitation, no notion that it was wise and politic to delay. Such an abuse of our territory demanded immediate and thoroughgoing action. As soon as the administration had notice of plots and conspiracies it was its duty to stop them. It was not lacking in resources. Its responsibility for their continuance cannot be escaped by the condemnation of others.—From Mr. Hughes' Speech of Acceptance.

Printer's Ink has been responsible for thousand of business successes.



## The Brisk Smoke—"Bull" Durham

When you see an alert-looking young man in a lively argument roll a "Bull" Durham cigarette—it's the natural thing. He likes to punctuate a crisp sentence with a puff of "Bull" Durham. His mind responds to the freshness that's in the taste of it, and his senses are quickened by its unique aroma. A cigarette of "Bull" Durham just fits in with keen thinking and forceful action.

## GENUINE "BULL" DURHAM SMOKING TOBACCO

Made of "bright" Virginia-North Carolina leaf, "Bull" Durham is rich, fragrant, mellow-sweet—the mildest, most enjoyable of smokes.

"Roll your own" with "Bull" Durham and join the army of smokers who have found that so good a cigarette cannot be obtained in any other way.

FREE An Illustrated Booklet, showing correct way to "Roll Your Own" Cigarettes, and a packet of cigarette papers, will both be mailed, free, to any address in U. S. on request. Address: "Bull" Durham, Durham, N. C.

THE AMERICAN TOBACCO CO.



## Facts Versus Fallacies

FACT is a real state of things. FALLACY is an apparently genuine but really illogical statement or argument.

IN the course of an excellent article on the influence of alcoholic beverages on the human brain the Rochester Herald says:

"TOTAL abstinence propagandists have placarded various American cities with notices to the effect that 'science says' that even moderate indulgence in alcohol retards thinking for hours, and they sloganize their placards with 'safer first.'"

"NOW our total abstinence friends are committing an act of intellectual dishonesty when they put out these placards because science does not say what they assert that it says. Of course, certain men of science do, and if they were content to put the matter that, there would be no complaint to make, but in their desire to be impressive, these total abstinence advocates declare that 'science says' so, although there is no consensus among men of science as to what the effect of alcohol is on the human mind and body is, and until there is such a consensus it will be advisable for the people who respect intellectual honesty to be modest in their assertions."

Moderate Drinkers Live Longer Than Total Abstinements

"ONE hour every day that even moderate drinking shortens human life, but there are men of science who believe the exact contrary to be true. One of them wrote a book only a few years ago to prove that while the total abstainers lived longer, on the average, than the immoderate drinker, the moderate drinker, on the average, lived longer than the total abstainer."

"THE overwhelming number of scientists whom we have named have been moderate drinkers, and we have heard some of their discourses after they had been drinking; and if it be true that their drinking did retard their thinking while discursing, it was doubtless a blessed thing, for otherwise we might not have been able to take in all that they had to say. It is a fact well known to all but total abstainers that some persons seem to be able to do better work after moderate indulgence in alcohol than without such indulgence. Addison has come down to us in history as the finest conversationalist of his time, but it is said that without the gentle stimulus of wine he was quite unable to speak interestingly. And one need have no hesitation in saying that if all the intellectual products of the world's total abstainers could be put into one sack, and all the products of the world's drinking men could be put into the other, we should be amazed at the meagreness of the total abstainers' product."

FROM the above article it is once more clearly shown that it is a FALLACY to say that the moderate indulgence in alcoholic stimulants is a detriment to intellectual endeavor. And the best proof of this FALLACY is the FACT that many of the world's greatest thinkers have been temperate users of alcoholic beverages.



The Moderate Drinker Adds Most To The World's Knowledge

Pennsylvania State Brewers' Association