

# NATURE HOLDS UP A HAND IN WARNING

## Take Cheney's for That Cold, She Means, or Something Worse May Follow

That first little shivery feeling is nature's way of telling you to beware. She holds up a warning hand and bids you take heed or you may expect to be laid low with something serious.

You're taking cold that, if neglected, may lead to more serious complications. Stop the trouble before it can do any harm.

For sixty years Cheney's Expecto-rant has been acclaimed a certain remedy for colds, bronchitis, croup, quinsy, whooping cough and other affections of the throat and chest. Thousands of people all over the South are enjoying health and happiness today because of their unshaken faith in this grand old preparation.

What it has done for them it will do for you. Then stop at the drug store on your way home, or call up your druggist and order a bottle.

The importance of avoiding unnecessary exposure to inclement weather during the winter cannot be too strongly insisted on. But when this cannot be helped there is always Cheney's Expecto-rant ready to help you out of trouble.

Sold by all druggists and in smaller towns by general merchants in 30c and 50c bottles.—Advertisement.

### Negative Methods.

Old Man—Why all this profanity? Small Boy—I'm teaching my brother what not to say.

### MOTHER! GIVE SICK CHILD "CALIFORNIA FIG SYRUP"

Harmless Laxative for a Bilious, Constipated Baby or Child. Constipated, bilious, feverish, or sick, colic Babies and Children love to take genuine "California Fig Syrup." No other laxative regulates the tender little bowels so nicely. It sweetens the stomach and starts the liver and bowels acting without griping. Contains no narcotics or soothing drugs. Say "California" to your druggist and avoid counterfeits! Insist upon genuine "California Fig Syrup" which contains directions.—Advertisement.



### GIRLS! HAIR GROWS THICK AND BEAUTIFUL

#### 35-Cent "Danderine" Does Wonders for Lifeless, Neglected Hair.

A gleamy mass of luxuriant hair full of gloss, luster and life shortly follows a genuine toning up of neglected scalps with dependable "Danderine." Falling hair, itching scalp and the dandruff is corrected immediately. Thin, dry, wispy or fading hair is quickly invigorated, taking on new strength, color and youthful beauty. "Danderine" is delightful on the hair; a refreshing, stimulating tonic—not sticky or greasy! Any drug store.—Advertisement.

A pretty girl says that many a young man who knows where to stop doesn't know when to go.

If Worms or Tapeworm persist in your system, use the real vermifuge, Dr. Peary's "Dead Shot." Only 50 cents at your druggist or 375 Pearl St., N. Y. Adv.

Merely Misplaced. "Johnny, you've been fighting againt lost all your teeth." "Naw, I got 'em all in my pocket."

### Mrs. J. C. Cadle



### Have You a Daughter? Is She Nervous? Then You Cannot Afford to Overlook One Word of This

Augusta, Ga.—"For some time my daughter was in real poor health. She suffered with her head and back and was also very nervous. After trying several remedies which did her no good, I got Dr. Pierce's Favorite Prescription, and when she had taken a few bottles she did not complain any more, but was feeling better than she had for a long time. I think the 'Favorite Prescription' is the best woman's tonic that can be had."—Mrs. J. C. Cadle, 1450 Silcox St.

A beautiful woman is always a well woman. Get this Prescription of Dr. Pierce's for your daughter, in liquid or tablets at any drug store, and see how quickly she will have sparkling eyes, a clear skin and vitality. Write Dr. Pierce's Invalids' Hotel in Buffalo, N. Y., for free confidential medical advice.

# Uncle Sam, Tobacco Doctor



### Government Experts Cure Disease, Increase Crops and Improve Quality

By JOHN DICKINSON SHERMAN

**E**VERYBODY knows that Uncle Sam is a successful tobacco grower on a big scale; in fact, he raises something like 1,350,000,000 pounds a year out of the world's crop of approximately 4,500,000,000 pounds.

But only a comparatively few know that Uncle Sam has of late years gained world-wide fame as a tobacco doctor. The tobacco production of the United States has been steadily increasing. This increase in production has been brought about in the past by an increase in the acreage, as new tobacco sections were discovered and developed. At the same time the per acre yield did not hold its own in many sections. The intimate relation between kind of soil and kind of tobacco was little understood. Little was really known about tobacco diseases and tobacco pests.

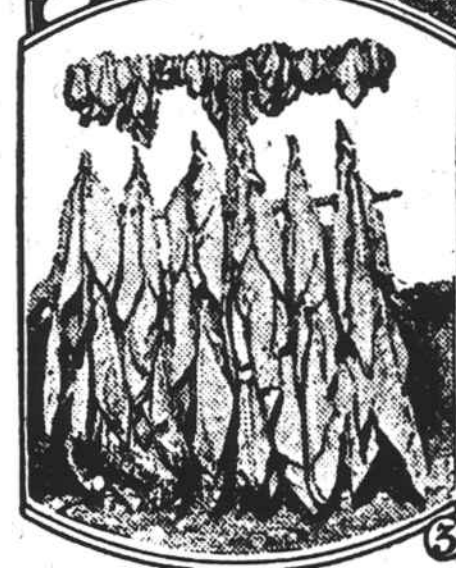
This is where Uncle Sam came in handy as a "tobacco doctor" and achieved fame.

Nowadays the yield per acre is increasing. More careful adaptation of tobacco to soil, discoveries about tobacco diseases and new methods of handling the crop now seem to indicate that the yearly production can be increased without increase in the acreage and with more profit to the grower.

Uncle Sam, tobacco doctor, has worked through the Department of Agriculture and the experiment stations. Some of the investigations and discoveries are as interesting as beneficial. Even the soil men, entomologists, chemists, plant breeders, pathologists and bacteriologists who have worked out the tobacco problems are surprised at some of the results. A report prepared by the Department of Agriculture sets forth some of the interesting results of this tobacco doctoring.

For instance, everyone used to think that the fermentation of tobacco in the curing process was caused by bacteria, just as is the fermentation of apple juice in the manufacture of cider and vinegar. But it was found out that in the case of tobacco bacteria had nothing to do with it. The fact is that the leaves of tobacco contain certain chemical compounds known as enzymes, which, under certain conditions of moisture and temperature, produce fermentation. This discovery has led to great improvements in the curing of the leaf. Now it is possible by the use of the thermometer to control the curing and greatly to increase the percentage of high-grade tobacco.

In the northern districts where it was thought to be necessary to cure tobacco in cases, it was found that bulk curing could be carried on just as it was in the southern districts. The adoption of this method has saved the investors many millions of dollars.



Very interesting to see the growth, flowering and fruiting of the plants. This discovery has attracted the attention of scientists throughout the world, and promises to produce great scientific and practical results.

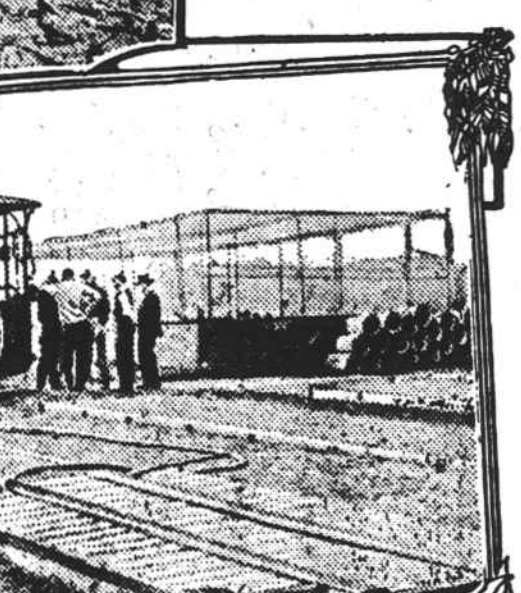
Tobacco-breeding work has produced valuable results in other sections. In the burley districts the growers formerly discarded their tobacco ground after one or two years because of the destructive effect of black root rot, to which burley tobacco was particularly susceptible. Tests on a large number of plants brought out the fact that some of them were resistant to the disease, and now resistant varieties make it possible for these tobacco growers to continue growing burley tobacco on their fields year after year.

The same principle has been applied to other varieties in many regions. Since more than half of the tobacco produced in this country is cured without artificial heat, bad weather is a big factor. Experiments have shown that a certain amount of heat used at the critical time will make it possible to cure the tobacco just as if the most favorable weather conditions existed from start to finish. In the sections where heat is ordinarily used for the curing, the flue-cured tobacco districts, improvements have been made in the ventilation of barns which have greatly improved the quality of the tobacco. In preparing cigar tobacco it is packed and allowed to ferment, and sometimes big losses are experienced because of too much moisture in the leaves. The most desirable moisture content has been determined, and it is now possible to avoid much of this loss.

The great increase in the popularity of the cigarette, which is now being produced at the rate of about 60 billions annually in this country as compared with 5½ billions in 1905, has resulted in the change in the demand for different types of tobacco. In the Carolinas and Virginia, where a large part of this tobacco is produced, government experimenters found it possible to get a more desirable leaf for this purpose, not by changing the type of variety but by modification of the harvesting methods. Entomologists have found a satisfactory method for fighting the horn worm, a destructive pest to the growing crop. Years ago growers depended upon applications of Paris green, often with the result that the tobacco was badly burned and the crop a partial failure. Arsenate of lead was developed as a substitute, and horse-drawn dusting machines have been developed. A rough estimate is that this one discovery saves the tobacco growers a million dollars a year.

As to the pictures: No. 1 shows a crop of Maryland Mammoth yielding a ton an acre; the average yield in Maryland is less than 800 pounds. No. 2 shows the outfit used in sterilizing tobacco seed beds. No. 3 gives an idea of what has been accomplished with ordinary white burley on soil infested with black root rot. The plants on the lower stick are from a resistant type of burley grown on the same soil.

known as Maryland Mammoth. Most tobacco varieties cannot be fed too heavily without danger that a plant with a large, coarse-textured leaf will be produced. The heavy leaf brings a low price, which usually more than offsets the increase in yield. The Maryland Mammoth has a great capacity for growth. It can be fed heavily with fertilizers and will pay good returns for them, while at the same time it produces a leaf of excellent quality. This variety was such a luxuriant grower that difficulty was experienced in getting it to produce seed. It was during the progress of the experiments in trying to solve the seed production problem that the momentous and fundamental discovery was made of the influence of the length of day upon the growth, flowering and fruiting of the plants. This discovery has attracted the attention of scientists throughout the world, and promises to produce great scientific and practical results. Tobacco-breeding work has produced valuable results in other sections. In the burley districts the growers formerly discarded their tobacco ground after one or two years because of the destructive effect of black root rot, to which burley tobacco was particularly susceptible. Tests on a large number of plants brought out the fact that some of them were resistant to the disease, and now resistant varieties make it possible for these tobacco growers to continue growing burley tobacco on their fields year after year. The same principle has been applied to other varieties in many regions. Since more than half of the tobacco produced in this country is cured without artificial heat, bad weather is a big factor. Experiments have shown that a certain amount of heat used at the critical time will make it possible to cure the tobacco just as if the most favorable weather conditions existed from start to finish. In the sections where heat is ordinarily used for the curing, the flue-cured tobacco districts, improvements have been made in the ventilation of barns which have greatly improved the quality of the tobacco. In preparing cigar tobacco it is packed and allowed to ferment, and sometimes big losses are experienced because of too much moisture in the leaves. The most desirable moisture content has been determined, and it is now possible to avoid much of this loss.



This meant much to the cigar-making industry. The Sumatra leaf is large, very thin and elastic and of a beautiful, satiny texture. A pound of it will cover a thousand cigars. Although it costs from 10 to 20 times as much as the domestic wrapper, it is largely used by the trade. So the growing of this crop under cloth has become the principal industry of a large section of the Connecticut valley.

Another important discovery is that of the steam sterilization of tobacco beds. Of old the grower sometimes had great difficulty in growing plants for transplanting into the field. They would become diseased in the bed with resulting large losses. Weeds also caused much trouble to the young plants. Now the enterprising tobacco grower eliminates both of these difficulties by going over the bed with a steam sterilizer, which kills the weed seeds and destroys the disease organisms which would attack the young plants. As a result, the production of good, healthy, young plants is now relatively easy.

If diseases attacked the tobacco plant only during the early stages of its growth in the bed the tobacco grower would have an easy time indeed, but there are many other diseases which ravage the plants in the fields. One of the most destructive of these is the one known as mosaic, which puzzled plant pathologists for a long time. They have now found out that it is a specific infection, that a certain definite germ causes the trouble. In addition to this, they learned that insects are a factor in carrying it from plant to plant.

In the South the growers have suffered a great deal through losses produced by a wilt which has been named the Granville tobacco wilt. The Department of Agriculture worked out a rotation system which has greatly reduced the losses. No cure has yet been found for the disease, but the farmer now knows how to keep out of its path.

In regions of thin, light soil, tobacco farmers have long talked about a supposed disease which they called "sand down." The trouble was not too much sand, according to recent discovery, but the lack of magnesia, a fertilizing element which is not generally recognized by farmers as being useful to plants. Usually enough of this element occurs in the soil to take care of the demands of any crop. All the farmers have to do is to change the plant's ratios slightly. Some great advances have been made in the field of plant breeding. One particularly interesting variety of tobacco has been developed. It is now

# IMPROVED UNIFORM INTERNATIONAL Sunday School Lesson

(By REV. F. B. FITZWATER, D. D., Teacher of English Bible in the Moody Bible Institute of Chicago.)

### LESSON FOR NOVEMBER 25

#### CHRISTIANS CALLED TO BE MISSIONARIES

LESSON TEXT—John 17:18; Matt. 28:16-20; Acts 1:8.  
GOLDEN TEXT—"Go ye therefore and teach all nations."—Matt. 28:19.  
PRIMARY TOPIC—Telling Everyone About Jesus.  
JUNIOR TOPIC—Our Marching Orders.  
INTERMEDIATE AND SENIOR TOPIC—Working Together With Christ.  
YOUNG PEOPLE AND ADULT TOPIC—World-Wide Witnessing for Christ.

I. Sent by Christ (John 17:18). Christ was sent into the world to save it. Just as He was sent, so He sends us. Just as He was obedient to the Father's command, so we should be to His command. That this might be possible Christ set apart himself, and that the disciples might be fit for this work they are to be sanctified through the truth of God's Word. That which fits the one called to represent Christ is the knowledge of God's holy Word.

11. The Great Commission (Matt. 28:16-20). At an appointed meeting place in Galilee on a mountain side, Jesus appeared before the disciples and gave this great commission.

1. His Claim of Authority (v. 18). He does not claim to be merely the King of the Jews, but King of Kings and Lord of Lords. He stands clothed with the authority and power of the universe. Before there will be any great concern about evangelizing the world there must be an understanding of the power and might of Jesus Christ as Lord. The Lord must and shall be obeyed.

2. The Obligation Imposed (vv. 19, 20). They are to make disciples of all nations. The obligation of the Christian is not merely to preach the gospel to the Jews, but to all the nations. Those who accept Christ as Savior and Lord are to be baptized in the name of the Father, Son and Holy Ghost. By this means they openly acknowledge their allegiance to Jesus Christ as their divine Lord. To secure public avowal of loyalty to Christ is important. It strengthens the character of the confessor. They are also to be instructed to render obedience to all the commandments and requirements of the divine Lord.

3. The Divine Presence Promised (v. 20). To assure the disciples of the success of their undertaking, Jesus guarantees His presence at all times and under all circumstances. That which gives courage and encouragement to the missionary today is the assurance of the unfailing promise of the Lord Jesus Christ.

III. The Missionary Program (Acts 1:8). It is essential that the missionary program be understood. The work incumbent upon the church is to witness of Christ's gracious salvation to all the nations. After this is done there will follow the preaching of the gospel of the kingdom by converted Israelites. This was not clear to the disciples, therefore they put the question, "Wilt thou at this time restore the kingdom of Israel?" They were right in thinking that the kingdom will be restored. The Davidic kingdom shall be established, but not till after the gospel of the grace of God is preached and the body of Christ is completed. Its realization is certain, but the time is unknown. Times and seasons are in the hands of God. The program which the disciples are to carry out in this present time is witnessing for Christ.

1. In Jerusalem (v. 8). This was done by the Twelve immediately following Pentecost.

2. In Judea and Samaria (v. 8). This was done by the disciples after the hands of the persecutors were laid on them. Not only the Twelve but many others took part in this.

3. Unto the Uttermost Parts of the Earth. Beginning with the first foreign missionary enterprise this work has been carried on with varying degrees of success till the present time.

Being Self-Centered. Nothing is more wearing or a more fruitful source of unhappiness in the long run than to be self-centered. If our thoughts and plans, our hopes and fears, our ideals and ambitions all center in our own personal comfort and happiness, there must come many a day of infinite weariness and self-disgust when life does not seem worth living. Poverty or riches have very little to do with it. You will find just as many well-to-do people as poor, for whom life has lost its spice and enthusiasm. It is not a question of capital, but of character.

No Place Sweeter Than Home. It is very dangerous for any man to find any spot on this broad globe that is sweeter to him than his home.—H. W. Beecher.

A Mind in Health. The first sure symptom of a mind in health is rest of heart, and pleasure felt at home.—Young.

God Should Be There. A cottage, if God be there, will hold as much happiness as might stock a palace.—J. Hamilton.

# Starch

## THAT BAKE-DAY Waste!

### That's what Millions of women have done with CALUMET

Being uniform and dependable it never spoils any of the ingredients used on bakeday

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Sales 2 1/2 times as much as that of any other brand

#### BOILER FLUES MILL CASTINGS AND SUPPLIES BELTING, PACKING AND LACING WOOD, IRON AND STEEL

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Bring engine repairs in auto for quick work. LOMBARD IRON WORKS, AUGUSTA, GA.

BUY NOW—NEWLY DISCOVERED BRIGHT leaf tobacco lands. Tracts of 20, 40 or 50 acres; very reasonable terms. Write BAGWELL & SANDFORD, HAMLET, N. C.

Man or Woman Can Make \$20 per day in spare time showing sample and taking orders for famous "Poco" Leatherette and trench style coat for men and women. Among those who read this ad will be bookkeepers, cashiers, clerks, timekeepers, machinists, salesladies, traveling salesmen, who would desire an extra hundred a week. If you have ambition and wish to make money in either spare or full time, write for information. THE POE CO., NORFOLK, VA.

WANTED—BOXWOOD BRANCHES 2 to 15 inches long, ten tons or less. A. B. PRICE, 925 Virginia Avenue, S. W., WASHINGTON, D. C.

WANTED—POULTRY AND EGGS Highest market prices paid. Ship to Greenville and get returns. Write, wire or phone TEXTILE PRODUCE CO., Greenville, S. C.

GET THE BEST NORFOLK OYSTERS, 45¢ per bbl. f. o. b. Norfolk. Give us your business. Correspondence solicited; satisfaction guaranteed. Wainwright & Co., Norfolk, Va.

Man has very little use for advice which does not conform to his own opinion.

Usually the more the law costs the less justice there is in it.

## Doctors Prescribe It

For Rheumatism, Sprains, Sore Throat, Chills, Etc.

Says Dr. S. Wood, Jackson, Mo.—"Mexican Mustang Liniment is a most excellent preparation. In my practice I have used it for Rheumatism, Sprains, etc., and it never failed to effect a cure."

Dr. J. L. Gunn, Ashland, N. C.—"After 20 years' experience I will say that Mexican Mustang Liniment is the best remedy for general use that I have ever tried. It is a prescriptive it."

Dr. W. A. Proctor, Homer, Ky.—"It possesses great virtues. The more I use it the better I like it."

FREE Write for beautiful SOUVENIR PEN-CIL, sent absolutely free with complete directions for using Mustang Liniment for family ailments, and for livestock and poultry. Lyon Mfg. Co., 45 South Fifth St., Brooklyn, N. Y.

25c — 50c — \$1.00

Sold by Drug and General Stores

# MUSTANG LINIMENT

## Avoid & Relieve COLDS INFLUENZA MALARIA

BY TAKING WINTERSMITH'S CHILL TONIC

It is a Reliable General Invigorating Tonic

### The Seven Sleepers

Seven noble youths of Ephesus, who, according to an early Christian legend first related by Gregory of Tours, fled from the city, during a persecution under the Emperor Decius (249-251 A. D.), and took refuge in a cave on Mount Celion. There they were discovered by their pursuers, who waited up the entrance in order to starve them to death; but, owing to a remarkable interposition in their behalf

they were caused to fall into a deep sleep, and were thus miraculously preserved for nearly two hundred years. They died soon after awakening, and their bodies were transferred to Marseilles, France, in a stone sarcophagus, which is still shown to visitors to the church of St. Victor, in that city. According to Gregory, the names of the "seven sleepers" were Constantine, Dionysius, John, Maximian, Malchus, Martinian or Marcian, and Serapion. A festival in their honor is celebrated in the Roman Catholic church July

27. The legend of the "seven sleepers" is widely current in the East. It is of Syrian origin, and occurs in the Koran.

Cairo Newspapers. Cairo, Egypt, now has more newspapers than any other city of its size in the world.

Works Both Ways. Most of our troubles are those that never happened, truly; and less happily, also, a good many of our joys