

"CHIGGERS" MAKE LIFE MISERABLE

Enter the Large Sweat Pores of the Skin, and Then the Trouble Begins.

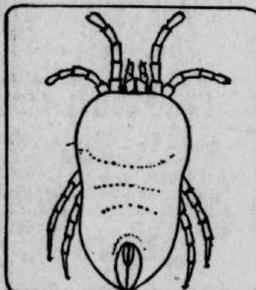
HOW TO FIGHT THE PEST

Flowers of Sulphur an Efficient Prevention—Spraying to Clear Land Area of the Mites—Where the Pest is Found—Its Life History.

(Prepared by the United States Department of Agriculture.)

Washington.—The very troublesome, yet exceedingly small red mite, commonly known as "chigger," or "red bug," makes life miserable in many portions of the South and portions of the Central states for those who thoughtlessly walk through grass or other vegetation infested with these eight-legged pests. Children with tender skins are particularly subject to attacks and the barefoot boy has long been familiar with the itching caused by the chiggers. The mites are not particular as to their place of attack, but choose first the exposed parts of the body. However, when walking through grass in which the mites live, the person is most liable to become infested from the knees down. The chiggers, which are red, and microscopic in size, enter the large sweat tubes or pores of the skin, and as their progress is necessarily slow, from a few minutes' time to about twelve hours elapse before the chigger-infested area becomes painful or causes intense itching. As in the case of any itching irritations, there is danger that the sufferer in scratching with finger nails may open the skin and cause an infection from germs in his nails, but no such cases have been recorded so far as known.

Where the Pest is Found. Chiggers are most abundant and troublesome in the tropics. They are, however, also generally distributed in the Gulf states up the Mississippi river to Missouri and Illinois, and through the Atlantic coast states to northern New Jersey. They are most bothersome between the months of June and October, according to the Farmers' Bulletin by the United States Department of Agriculture, No. 671, "Harvest Mites, or Chiggers." Some residents of the infested regions and particularly farm laborers seem to be proof against the toxic effects of harvest mites, and often go with impunity in places overrun with them. This is due primarily to two causes:



Mite Greatly Magnified.

The skin has become toughened through exposure to the sun and weather, or is no longer irritated, due to becoming accustomed to the toxin secreted by the harvest mites.

Infamed spots, due to the presence of the mites under the first layer of skin, are often diagnosed as hives, nettle rash, urticaria or "weals," and resemble closely the "bites" of fleas and some mosquitoes. A characteristic of the harvest mite attack is that on the second or third day a minute water blister develops in the middle of the mite-infested area. After the subsiding of the inflammation and itching, which takes place after a few days, a small scale or scab frequently forms, leaving on some persons a scar which does not entirely disappear in extreme cases for weeks.

Avoid Mite-Infested Areas. The mites attack the most exposed portions of the body first, but do not seem to be particular in choosing a place of attack. They crawl into the stockings and penetrate the skin about the ankles, frequently below the knee. A period of 18 to 36 hours elapses, after the mites have crawled into the pores of the skin, before they become painful. Sometimes the person afflicted becomes almost frantic from the irritation, and lacerates the skin by too vigorous and frequent scratching. Only in rare instances, however, is the result of an attack of chiggers serious.

In some localities where the harvest mite is found in great numbers, to walk among blackberry or other shrubbery, or come in contact with grasses or similar herbage along streams or pools on edges of marshes, or under trees near such places, is to invite an attack. It is obvious, therefore, that the best preventive is to avoid exposure. However, if a bath is taken in hot water or water containing salt or strong soap within a few hours after exposure, no ill effects will be experienced. After a longer exposure a bath is practically of no effect.

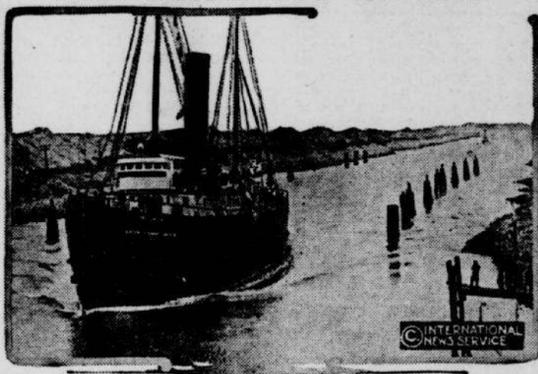
Sulphur is the best remedy for mites and is also the best preventive of attack. Since the mites usually become attached to the person in walking through vegetation, it has been found, according to the bulletin, that sifting flowers of sulphur into the underclothes from a little above the knees, downward and into the shoes and stockings, is effective. Naphthalene has been successfully used in the same manner, and is considered a safeguard against several forms of man-infesting tropical insect pests.

If a person has been exposed to an attack of harvest mites, an application to the affected parts of a moderately strong solution of ammonia is possibly the best counter-irritant. Bicarbonate of soda or common cooking soda, or saleratus may be substituted in a saturated solution. Similar alkaline solutions would probably also serve in counteracting the insect poison, which is acid. In case the suffering is severe, dilute tincture of iodine or colloidion should be lightly applied.

Eliminating the Mites. Where a large tract is to be freed of the pest, such as lawns, country grounds, pathways, roadsides, the method recommended by the bulletin is to keep the grass closely cut, the weeds eliminated and useless herbage mowed so as to expose the mites to the sun. In some cases it may be practical to spray the grass and other plants after cutting with flowers of sulphur or a dilute spray of kerosene emulsion, in which sulphur has been mixed.

Grasses bordering on ponds frequented by cattle, wild blackberry bushes and similar plants, should be cut down and destroyed in the vicinity of houses where people are liable to be infested by the mites by passing through them. Cattle, sheep and goats have often been used successfully in keeping down the grass and other vegetable growth which harbors chiggers.

FIRST THROUGH CAPE COD CANAL



The James S. Whitney, first ocean liner to traverse the new Cape Cod canal, through which it passed in one hour.

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On large estates chiggers may be effectively eliminated by the use of sulphur in dust blowers such as are used for dusting crops with insecticide powder, or by one of the large sulphur dusters used in spraying orange trees or hops for red spider. These sprayers are capable of throwing a fan-shaped discharge about eight feet wide and effect an even and thorough distribution. The cost of application, allowing 50 pounds of sulphur to the acre, would be \$1 to \$1.50 per acre. One man and a team will cover in a day 30 to 40 acres so that the cost of application is not great. The duster costs from \$55 to \$80.

Not a True Insect.

Harvest mites are not true insects, but belong to the class of spiders, ticks and the like. The mature mite wanders about feeding on aphides, small caterpillars, and in the case of one species, on the eggs of grasshoppers or locusts. This species hibernates in the soil, or other sheltered locations, and in the spring deposits its eggs, there being only one generation produced in a year. The eggs are laid in the ground, sometimes as many as 400 in one place. They are usually brown and spherical. When the larva, which is microscopic, blood red, and shaped somewhat like a common tick, hatches, it is circular or ovoid in outline, and each of its three pairs of legs is tipped with two or three prominent claws. After the larva has become attached to its insect host it grows rapidly, and when full fed, seeks a convenient shelter to change its shape without molting. Within a few weeks it emerges a full-grown chigger or mite of different shades of red, and with eight legs, instead of six, as found on the larva.

WHEEL BABY AND BE WELL

United States Public Health Service Advises This and Also Other Exercises.

Washington.—The United States public health service has issued a warning to people who fail to exercise, and then tells them how to keep from degenerating. "The expectation of life after forty is less than it was 30 years ago," the health service says. "The muscles, arteries and other organs of those who as a result of sedentary occupation or indolence take too little exercise degenerate. Heart disease, kidney disease and other ills follow.

"Take exercise. Take daily exercise. Have a hobby that gets you out of doors. Walk to your business, to your dressmaker's; walk for the sake of walking. Join a walking club and keep your weekly score of miles. Keep chickens, make a garden, wheel the baby or play golf or any other game, but take two hours' outdoor exercise every day."

Peru, Ind.—Here is the champion mushroom story of the season, and it is regarded as true because Rev. Ambrose Bailey, pastor of the First Baptist church of Peru, tells the story and submits the proof. Mr. Bailey and Weisel Baber, when searching for mushrooms in the big woods ten miles northwest of Peru, found about four dozen fine ones, which Mrs. Bailey prepared for the noon meal.

At dinner the six-year-old son of Doctor and Mrs. Bailey said: "I've got a bone in my mouth," and he took it out. To the surprise of the boy's parents, the lad had what appeared to be a piece of glass, but on closer inspection it proved to be a finely cut gem, which a local jeweler said was a pure diamond, and he backed up his belief by offering the minister \$50 for the stone.

None of the minister's family knows how the diamond got in the mushrooms. It is believed the stone must have been lost by someone and have become fastened to the roots of the mushroom.

Ejected.

"Mamma, did you say the baby came from heaven?" "Yes, why?" "I don't think he came; I think he was fired. How could angels sing with him puttin' up that holler all the time?"—Houston Post.

TALKS UNDER THE WATER

American Inventor Gives Demonstration of New Telephone in London Theater.

London.—Capt. Louis Sorcho, an American inventor, gave a demonstration at the Empire theater recently of the practicability of a submarine telephone which, after years of experiment, he claims to have so far perfected that by its means a diver in deep water may talk with anyone on the surface. The performance was carried out, under Captain Sorcho's direction, by a member of the staff of the Evening News, who, putting on the diving dress with helmet, belt and the rest of the ponderous equipment, weighing 255 pounds, had the telephone receivers attached to his ears and descended into a glass-fronted tank with a depth of about ten feet of water.

From this he sent and received messages to the newspaper office and also spoke to spectators apparently without difficulty by means of ordinary instruments with special attachments. While the demonstrator was in the tank George Graves, the comedian, conversed with him on the telephone, causing amusement by some personal banter.

After two immersions of about ten minutes each, the experimenter was released from his helmet and diving accoutrements nothing the worse for his experience except that his hands, which were uncovered under water, were very cold. The temperature of the water was 46 degrees centigrade.

MISS HALE PEARSON



Miss Pearson is the daughter of Samuel Hale Pearson, one of the delegates from Argentina to the recent Pan-American financial conference in Washington. Mr. Pearson is a director in commercial enterprises in Argentina which control a capital of \$600,000,000. Miss Pearson is a very pretty girl and attracted much attention during her stay in Washington.

IS THE OLDEST TURKEY OAK

Historic Tree in Georgia Is 22 1/2 Feet in Circumference and Has Stood for 60 Years.

Atlanta, Ga.—If the old turkey oak tree that stands in front of the home of Mr. and Mrs. M. L. Mobley, in Social Circle, Ga., could tell its age and history it would be interesting, especially to the older persons living here, who have known the old tree so long. This tree is a species of oak known by some people as Spanish oak. In Virginia the tree abounds on the high lands and is called turkey oak or chestnut oak.

George Garrett says when he was a boy, attending school here, he played marbles under its shade and sat under its limbs, that shaded the yard in front of the schoolhouse that stood about where Mr. Mobley's house now stands. It is 22 1/2 feet in circumference, and has stood for 60 years.

River Front a Pearl Bed. Cottonwood Falls, Kan.—Walter and Charles Whitlock of this city have recently found some very valuable pearls while hunting muskels along the Cottonwood river. One pearl, which the boys have had mounted in a ring, weighs 23 grains and is said to be worth more than \$100. A fine pearl found by the boys some time ago was traded for a motor car, which they afterwards sold for \$400.

Every woman's pride, beautiful, clear white clothes. Use Red Cross Ball Blue. All grocers. Adv.

Many a self-made man appears to have worked on plans of the political architect.

A man seldom exhibits his temper till he loses it.

For galls use Hanford's Balsam. Adv.

As a rule it is better to chloroform the sleeping dogs.

TAKES THE PLACE OF DANGEROUS CALOMEL

New Discovery! Dodson's Liver Tone Acts Like Calomel But Doesn't Gripe, Salivate or Make You Sick—Don't Lose a Day's Work—Harmless Liver Medicine for Men, Women, Children—Read Guarantee!

Ugh! Calomel makes you sick. It's horrible! Take a dose of the dangerous drug tonight and tomorrow you may lose a day's work.

Calomel is mercury or quicksilver which causes necrosis of the bones. Calomel, when it comes into contact with sour bile crashes into it, breaking it up. This is when you feel that awful nausea and cramping. If you are sluggish and "all knocked out," if your liver is torpid and bowels constipated or you have headache, dizziness, coated tongue, if breath is bad or stomach sour, just try a spoonful of harmless Dodson's Liver Tone tonight.

Here's my guarantee—Go to any store and get a 50 cent bottle of Dodson's Liver Tone. Take a spoonful

and if it doesn't straighten you right up and make you feel fine and vigorous I want you to go back to the store and get your money. Dodson's Liver Tone is destroying the sale of calomel because it is real liver medicine, entirely vegetable, therefore it can not salivate or make you sick.

I guarantee that one spoonful of Dodson's Liver Tone will put your sluggish liver to work and clear your bowels of that sour bile and constipated waste which is clogging your system and making you feel miserable. I guarantee that a bottle of Dodson's Liver Tone will keep your entire family feeling fine for months. Give it to your children. It is harmless; doesn't gripe and they like its pleasant taste.

GOOD WORD FOR THE BIRDS

Beautiful, and Useful in Their Destruction of Much Insect Life That is Harmful.

The warm weather has brought the birds again. Their chirping and singing make a morning symphony the like of which can be heard from no trained orchestra. They dot the landscape with a beauty that no artistic skill can rival. They are beautiful, useful in their destruction of harmful insect pests and aid us mightily in appreciating the joy of living.

Now, then, is a good time for a renewed appeal for the lives and well-being of birds.

The best instincts of the human race are devoted to the saving of all kinds of life, and sanction the taking of life only when such destruction serves a purpose useful to mankind.

This cannot be urged in the case of the birds. For the most part they are not food animals. The higher intelligence and spiritualism of humanity should bring about a concerted movement for small bird protection.

HAD PELLAGRA; IS NOW WELL

Ringgold, La.—Mrs. S. A. Cotter, of this place, writes: "Will say that I am perfectly well and the happiest soul on earth. Wish every pellagra sufferer could know of your great remedy. I know how to appreciate health and sympathy with those that are not so blest as I. Am growing stronger, gaining in weight and can do anything I ever could. Oh, I know I am well of that horrible disease, and my heart is full of rejoicing. I feel that I have come out of a dense cloud into the blessed sunshine. God be praised! He has spared my life for some good, and I feel that I have just begun to live."

There is no longer any doubt that pellagra can be cured. Don't delay until it is too late. It is your duty to consult the resourceful Baughn.

The symptoms—hands red like sunburn; skin peeling off, sore mouth, the lips, throat and tongue a flaming red, with much mucus and choking; indigestion and nausea, either diarrhoea or constipation.

There is hope; get Baughn's Big Free Remedy for Pellagra that has at last been found. Address American Compounding Co., box 2057, Jasper, Ala., remembering look on Pellagra and learn about the money is refunded in any case where the remedy fails to cure.—Adv.

It Really Happened. "You must bring little Gertrude over and let me take her picture sometime."

"You can't take her picture, Papa Lewis."

"Why not?"

"She's too wormy."

"What?"

"Yes, sir, Papa Lewis, she squirms all the time."

Hope. "Yes, she rejected me, but she did it in a most encouraging way."

"How was that?"

"As I went away she pointed to the footprints that I had made on the carpet and said: 'The next time you come to propose to me, I want you to wipe your shoes clean!'"—Der Guckkasten.

Logical Sequence. "What a biting wind!"

"That's because we are in the teeth of a gale."

Hanford's Balsam of Myrrh is itself an antiseptic and the use of any other remedy before applying it is unnecessary. Adv.

It is safer to burn the bridges in front when a powerful enemy is on the other side of the creek.

The most stubborn fellow in a jury box is generally the one who does not seem to have an opinion.

Most people are not on speaking terms with their own consciences half the time.

Did you ever get so homesome that you wanted to howl like a dog?

Where Soap is of No Use.

Lapland folk never speak of themselves as Laplanders, or Laps; they are the Samelatch, they say, the unknown people, the people of whom no one knows anything, not even whence they came.

If any mention is made in their presence of Norwegian, Swedish, Finnish or Russian Lapland, their feelings are sorely wounded, for there is only one Lapland, they hold, and it is their land, the land of the Samelatch.

These folk, as other folk, have their whims and fancies, their little peculiarities, too.

They regard soap, for instance, with profound mistrust, and have no great faith in washing; no faith at all, indeed, in washing in warm water.

As soon as a baby is born they bathe it in cold water; and they bathe it again, always in cold water, every day until, should it live so long, it is two years old. Then the end comes.

The child is pronounced clean for life and has never another bath.

AT THE FIRST SIGNS

Of Falling Hair Get Cuticura. It Works Wonders. Trial Free.

Touch spots of dandruff and itching with Cuticura Ointment, and follow next morning with a hot shampoo of Cuticura Soap. This at once arrests falling hair and promotes hair growth. You may rely on these supereminent emollients for all skin troubles.

Sample each free by mail with Book. Address postcard, Cuticura, Dept. X7, Boston. Sold everywhere.—Adv.

Whereupon the Services Proceeded. "It was a quiet wedding, of course?" asked the able editor of the Sniffles (Mo.) Weekly Clarion.

"You betcha!" replied Mr. Jack Gap, a foremost citizen of the Rumpus Ridge neighborhood. "When the preacher asked, 'Who gives this woman away?' four of us vents jumped right onto the feller that had been threatenin' to do so, and choked him so's he couldn't make a sound."—Kansas City Star.

Busy. "I judge from the solemn, not to say anxious, look that your friend has great responsibilities on his shoulders."

"You are quite right. He's chairman of the entertainment committee for his Sunday school picnic this year and he tells me he hasn't had a good night's rest in a month."

Difficult Task. "The responsibilities of parents are very great," remarked the proud father.

"Undoubtedly," rejoined the old bachelor. "It must be awfully hard for them to refrain from repeating the smart things their children are supposed to say."

Accounting for it. "Many marriages are simply blunders."

"Perhaps it is because there is such a lot of mis-taking in marriage."

Allen's Foot-Powder for the THROATS OF 100,000 packages of Allen's Foot-Powder, the autoseptic powder to shake into your shoes, are being used by the German and Allied troops at the front because it keeps the feet, gives instant relief to Corns and Bunions, hot, swollen, itching, tender feet, and makes walking easy. Sold everywhere. See, Try it TODAY. Don't accept any substitute. Adv.

Speaking of the capacity to assimilate punishment, a Pennsylvania man has taught school for more than fifty years.

Eph Wiley says a small town is one in which they make the licensing of billiard halls a moral issue.

YOUR OWN DRUGGIST WILL TELL YOU Try Murine Eye Remedy for Red, Watery Eyes and Granular Eyelids; No Stinging; Just Eye Comfort. Write for Book of the Eye by mail free. Murine Eye Remedy Co., Chicago.

Most people are not on speaking terms with their own consciences half the time.

Did you ever get so homesome that you wanted to howl like a dog?

The cuddlesome winter girl dislikes the hot weather.

For proud flesh use Hanford's Balsam of Myrrh. Adv.

Many a patent leather shoe hides an aching corn.

SOUNDED LIKE BAD BREAK

Though Anyone Who Knows Irishman Will Know What Pat Meant to Convey.

The talk at a dinner party having turned to the subject of inadvertently making bad breaks, Congressman Jefferson M. Levy of New York related an incident about a party named Pat. Some time ago Pat was taken to a hospital to be treated for an eye trouble. Eventually the bandages were removed, but it was several days before the patient could distinguish the adjoining scenery.

"How about it now, Pat?" said the doctor coming into the room one afternoon. "Are the eyes improving any?"

"Sure, doctor, an' they are thot," was the glad response of Pat.

"That's good!" returned the doctor. "Can you see better; can you see the nurse now?"

"Sure, an' Oi can, sir," quickly answered Pat. "Faith, an' she gets plainer and plainer every day."—Philadelphia Telegraph.

She Objected.

"I certainly shall not give you a recommendation. You have disgraced us."

"In what way, madam? Haven't my work always been satisfactory?"

"Your work has been all right. It's to the reasons for your leaving me that I object."

"I don't understand."

"Then I'll explain. I've had servants leave me to get married, and because they were needed at home, and because they found pleasant employment at summer resorts, but you are actually quitting to get more money than I can afford to pay. What will my friends think when they know that?"—Detroit Free Press.

At the Wrong Desk. Caller (in newspaper office)—Hello, old man! Anything new today?

Paragapher—Well, I'm surprised. And so many free schools in this country, too!

Caller—Why, what do you mean?

Paragapher—The idea of any man possessing ordinary intelligence coming into the humorous department and asking if there is anything new.

From Ancient History. Biggs—I wonder who originated the mother-in-law joke?

Biggs—Our old friend Noah, I believe.

Biggs—How do you figure it out?

Biggs—After building the ark, he failed to take her in out of the wet.

An Opposite Reason. "Let me down easy."

"Why should I?"

"Because I'm hard up."

Whether the game is worth the kerosene or not depends on what the game is.

Instead of calling a doctor, the self-made chap should send for a repairman.

And the tightwad who has more money than friends is glad of it.

For fresh cuts apply Hanford's Balsam. Adv.

Age before beauty—when the census man calls.

SHE KNEW ALL THE TRICKS

Rich Girl's Actions at One-Room Tea Party Proved That She Had Once Been Poor.

She looked rich and acted rich, and everyone knew that she was rich, because she had married a rich man, yet the Sherlock Holmes of the tea party discovered that she had once been poor.

"Take it from me," she said, "that there was a time, and that not so very long ago, when she was as poor as the rest of us."

"Marvelous!" exclaimed the other four girls. "How did you discover that?"

"Through her knowing so absolutely where I keep all my housekeeping things. She knew that the tea caddy was in the writing desk, that the cheese, biscuits, and other edibles beloved by mice were in that tin box under the sofa, that the alcohol for my stove was in the corner behind the washstand, that the butter and milk were on the window ledge, and that the eggs and other raw foods were in a box on the bottom shelf of the wardrobe."

"When we were cooking she went straight to the spot and got every one of those things without once asking where they were, which is something that a person who has not had a wide experience of housekeeping in one room could never have done."

Gentle Insinuation.

"What I object to," said the thoughtful young woman, "is the idea of taxation without representation."

"If I were a married man," responded the admiring youth, "I'd be glad to take my wife's advice on how I voted. How would you like to have me represent you at the polls?"

In Disagreement.

"Can you remember when you were a happy, barefoot boy?"

"No. And my idea of a happy boy is one who wears shoes and doesn't get stone-bruises."

Keep It in Your Stable.

For external use on horses nothing that we know of equals Hanford's Balsam. Many trainers use it as a leg wash because it keeps the skin in fine condition and should cure lameness. Adv.

What Was He Kicking About?

He—You only kiss me now when you want money.

She—Good gracious, John, isn't that often enough?—London Mail.

Always proud to show white clothes.

Red Cross Ball Blue does make them white. All grocers. Adv.

That \$100,000 golf game will put somebody in a hole.

MRS. MABEN WAS MADE WELL

By Lydia E. Pinkham's Vegetable Compound and Wants Other Suffering Women To Know It.

Murfreesboro, Tenn.—"I have wanted to write to you for a long time to tell you what your wonderful remedies have done for me. I was a sufferer from female weakness and displacement and I would have such tired, worn out feelings, sick headaches and dizzy spells. Doctors did me no good so I tried the Lydia E. Pinkham Remedies—Vegetable Compound and Sensitive Wash. I am now well and strong and can do all my own work. I owe it all to Lydia E. Pinkham's Vegetable Compound and want other suffering women to know about it."—Mrs. H. E. MABEN, 211 S. Spring St., Murfreesboro, Tenn.

This famous remedy, the medicinal ingredients of which are derived from native roots and herbs, has for nearly forty years proved to be a most valuable tonic and invigorator of the female organism. Women everywhere bear willing testimony to the wonderful virtues of Lydia E. Pinkham's Vegetable Compound.

Why Lose Hope. No woman suffering from any form of female troubles should lose hope until she has given Lydia E. Pinkham's Vegetable Compound a fair trial.

If you want special advice write to Lydia E. Pinkham Medicine Co. (confidential) Lynn, Mass. Your letter will be opened, read and answered by a woman and held in strict confidence.

DAISY F