

## DEATH KNEEL OF GYPSY MOTH.

Work of the United States Department of Agriculture.

GUY ELLIOTT MITCHELL.

Will the Gypsy Moth spread over the United States and devastate shade and fruit trees and meadows as its ravages in New England indicate that it certainly will unless some drastic and effective measures are put forward to check it? During the past few years the State of Massachusetts alone expended over a million and a quarter dollars in attempting to exterminate this moth, the caterpillar of which feeds upon leaves and has stripped tens of thousands of the great spreading elms and other trees in the old Bay State.

This is a subject which might not particularly interest the farmers and fruit growers, or even the street and park superintendents of Kansas or other distant States except for the announcement of Dr. L. O. Howard, the

United States? Dr. Howard, the Government entomologist, made a visit to continental countries and he has just returned, bringing with him the death warrant of the Gypsy moth.

In Europe this terror of the New England States is but one of the insect pests which do some, but not very material, damage to foliage plants and trees. Nature always provides for a proper equalization of things, and in its habitat this moth has some 20 enemies—parasites and carnivorous insects—which prey ferociously upon it, keeping it in check and reducing its ravages to a fairly negligible quantity.

**Growing Moths' Mortal Foes.**  
"It only remains," said Dr. Howard, in speaking of his investigations, "to propagate some of these foes of the moth in this country. They can be secured, packed, shipped and landed in Boston in safety. Whether they will take hold in the United States is a question, but there is no good reason to believe that they will not thrive as well as in Europe, or as well as the moth does here, and grow fat and lusty when turned out to pasture upon their hereditary prey."

The Gypsy moth is one of those insect pests which has loomed up large before the entomologist or bug specialist of the entire United States, gradually spreading from State to State, eating and killing both deciduous and coniferous trees, devouring gardens and every green thing, and leaving behind them a brown trail of desolation, causing



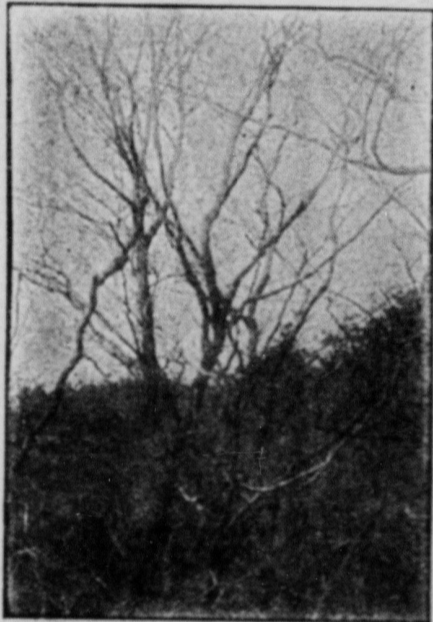
DR. L. O. HOWARD,  
GOVERNMENT ENTOMOLOGIST.

Government entomologist of the Department of Agriculture that the Gypsy Moth will probably thrive in all the temperate States of the Union and become as destructive in the city of Washington or the State of Missouri as it has in Massachusetts.

In spite of all the fortune which Massachusetts has expended to fight this pest, the moth has annually hatched its brood, and annually the worms have spread themselves over the great elm and other trees of Boston and the surrounding towns, extending their domain each year until it seemed, in the light of the expert testimony as to their habits, that they were destined to cover practically all of the United States.

### Ordinary Methods Unavailing.

Cotton batting, kerosene torches, chemical mixtures, fumigations and



AUGUST SCENE IN MASSACHUSETTS.  
TREES DEFOLIATED.

at least the expenditure of millions of dollars to hold them in check.

Dr. Howard's trip for the Department of Agriculture shows this moth to be but one of a hundred minor annoyances which the country has pro-



FAMOUS DEXTER ELM AT MALDEN, MASS., ENTIRELY STRIPPED BY GYPSY MOTHS.—MEN AT WORK KILLING PESTS.

other devices have been tried with only partial success and in no case has complete extermination resulted. The minute this work ceases, the moths increase with astonishing rapidity.

What was to be done? The Department of Agriculture was finally applied to, and it was realized that since the worm and moth might spread over the entire country, it became a national necessity to provide for its eradication. The department took up the subject at once. It was known that the Gypsy moth was of European origin, as it had been brought here in connection with silk worm investigations, some of the moths accidentally escaping. The question then arose, is this pest in Europe what it threatens to become in the

vide against. It is a question of tiger eat tiger, needing only the knowledge of how to apply the natural remedy.

### Merciless to Grafters.

From the Kansas City Star.  
If William Travers Jerome is re-elected district attorney of New York on an independent ticket it will be because the people will respond to his splendid courage in denouncing all political bosses and to his remarkable activity and inspiring fearlessness in going after the evils of the Metropolis, showing no mercy to criminals on the one hand and shaming the well-disposed people for their indifference on the other.



THE KING OF CROPS.

### SOME ADVICE FOR WIVES.

Would Not Have Hubby Made Nurse and Assistant Chambermaid.

From the Washington Times.  
Are you one of those women who continually request your husband to run get you this, that, or the other as long as he is about the house? Do you habitually call him back from the corner to mail a letter or give him a sample of silk to match? Does he no sooner sit down than you send him to run upstairs and get the baby's pins, or take the small child walking, or run around the corner and get the meat for supper?

There are misguided wives who make it a constant practice to keep the man of the house fetching and carrying for themselves and baby from the time he enters the door until bedtime and all day Sunday. It's "Tom, get me this," and "Tom, please bring me that," until in the eyes of a third party Tom's position in the home appears to be that of a well-trained servant.

### The Poor, Patient Worse Half.

It is hardly fair to let him drop to that, is it? Do you really require that he should go in for a package of this sort to you and baby? He does it patiently, maybe, but it wears on him, and hurts his self-respect. Why don't you do your own buying, and mail your own letters, and match your own samples? Why don't you have the baby's things handy, so he won't have to wait on you hand and foot when you're busy with the little one?

What would you think if your husband brought home a lot of his office work for you to do at night? Suppose he expected you to spend your spare hours clerking for him and helping him with his bills and accounts? Ridiculous, wouldn't it be? Yet, for some reason, you expect him to act as second housemaid and assistant child's nurse the whole time he is away from office.

### In Times of Need, Yes.

Nine times out of ten it's simply a habit that gets you into this practice. Of course there are exceptional cases of illness which make it necessary for a faithful husband to step into the shoes of a domestic help and assist with the meals and the children. But unless there is this necessity it ought not to be expected.

The man's field of labor, little wife, is his office or factory, where he earns the bread for you. Yours is in the home where you do every whit as much as he toward earning the living. He doesn't expect you to go down to the office and work. Don't expect him to come home at night and do the housework and mind the baby.

Do your end as well as you can. Be as independent and self-reliant about it as possible. When he comes home let him rest. And if you manage right you can be ready to rest, too.

### ENGLAND'S WAR PROBLEM.

Royal Commission Finds That It Consists Mostly in Lack of Food Supply.

After all, what are the sinews of war? Are they ammunition, guns and men, heavy artillery, cavalry and infantry? The royal commission recently appointed to investigate the conditions of England with regard to her preparedness for war does not seem to pay much attention to the amount of men, ships or firearms on hand, but calls attention to the fact that if England's mighty navy were to prove as weak and inadequate as her dull battalions did in the Boer war, and were to be sent to slumber among the wrecks of the Spanish Armada, the little island under a state of siege would be practically helpless. Much of England's actual necessities of life is imported. Suspending these imports for any length of time the suffering among the inhabitants would be acute. The commission, then, in its wisdom, emphatically brings the people of England face to face with the actual conditions as they exist, brings them face to face with the fact that they have been providing for war by spending vast sums for army and navy and paying no attention to the actual sinews of war—food. Recommendation has been made to Parliament for the creation of a system of elevators and storage houses of sufficient capacity to store \$50,000,000 worth of grain, besides a vast quantity of provisions. They reason that the storehouses should hold supplies of food sufficient for three months, figuring that that length of time would be long enough to prove whether Britannia would be sovereign over the waves or go down to the depths, leaving the coast undefended at the mercy of the blockading fleet.

The Commission would be wise, too, if it could work out an industrial revolution by which the vast tracks of land held in England in great unproductive estates could be transformed into small, self-supporting homes, such as can be found by the tens and hundreds of thousands in Japan. England itself contains much more arable land than all of Japan and the single island comprising England, Scotland and Wales has fully three times the agricultural land of Japan.

### Pointed Paragraphs.

From the Chicago News.  
Beware of the financial pointer; it usually points the wrong way.  
As a weather forecaster there is nothing superior to a healthy corn.  
Isn't it a pity that the average reformer neglects to begin his work at home?  
Cigarettes, if properly classified, would come under the head of fowls of the air.  
Any small boy will make a home run every time he knocks his ball through a pane of glass.  
Nothing arouses a woman's wrath so much as a man who appears to be well satisfied with himself.  
One man may be able to break a horse, but later the horse does a stunt on the race track and breaks a dozen men.

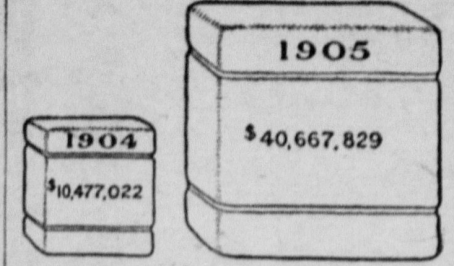
### Easy for the Coroner, Anyway.

It is the usual custom in most cities to at once summon the coroner to view the remains of a person who has died without medical assistance, and he then impanels a jury to inquire the cause of death. A wise ruralist explained, however, that there is no reason for calling in a coroner to see the body of a man who has had a physician's aid, because everybody knows who killed him.

### THE CHINESE BOYCOTT.

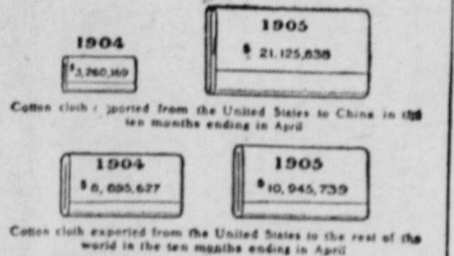
Alarm Beginning to be Felt by American Merchants.

The Chinese boycott of American imports into China continues in spite of the action of the President in modifying the harsh execution of our exclusion laws, and our evident desire to placate the Chinese. This Chinese retaliation has been brewing and stewing for some time. There have been mutterings and threatenings during the past two years but they have

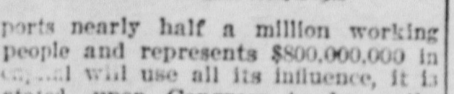


been generally disregarded and it was apparently believed that they amounted to nothing more than future threats. Information comes from San Francisco that in China some ten thousand of the merchants have signed the boycott resolutions, which carry a penalty of about \$4,000 in each case for their violation. Further, the Chinese newspapers are refusing advertisements of American firms.

Since the facts are coming to be realized, the question in this country becomes a live one. The National Association of Manufacturers which sup-



ports nearly half a million working people and represents \$800,000,000 in capital will use all its influence, it is stated, upon Congress to have the Chinese exclusion law mitigated in such a way as to appease the Chinese. On the other hand the labor unions will oppose every effort to modify Chinese exclusion, as is indicated by the recent interview of Mr. Gompers with President Roosevelt. The American interests which will be the heaviest losers if the Chinese persist in their boycott, are the cotton planters and the cotton and cotton-cloth traders. The accompanying diagrams from Collier's Weekly indicate the rapid increase of our trade with China during the past two years.



As much need for this legislation as for Pure Food Laws.

A great deal has been said in the papers about adulterated goods, but very little about short weights, which are quite as dishonest. Now comes a correspondent of the New York Journal of Commerce, who declares there is as much need of full weight laws as of pure food laws. He says: "It is a well-known fact that candies weighing only 11 or 11½ ounces are sold as a pound; that raisins are put up in packages containing 12, 14 and 15 ounces, which are sold as pounds; that there is hardly a tin of lard, cottonseed or any other product put up in packages that the tin or pasteboard is not weighed with the goods packed in them."

### SHORT WEIGHTS IN HOUSEHOLD GOODS.

As much need for this legislation as for Pure Food Laws.

The package on the scales will usually weigh a pound, but the wrappings often exceed two ounces. Sir Thomas Lipton was once brought to time and fined by the English authorities for padding out his pound of tea packages with paper. The hand of the law needs to be applied in many such places in this country.

### Southern Advancement.

Northern methods are gradually invading the South, and to its commercial advantage. Mr. M. V. Richards, head of the Industrial Department of the Southern Railway, who has carefully gone over conditions in the Southern field, says that when the farmers down there became inoculated with Northern system and economy, the South will take its right position in the country as a highly developed agricultural region, where every man on a piece of land, intelligently cultivated, can be his own master in a sense that no other man can be. A farm anywhere is nearer nature's heart than the sidewalks of the city. Besides the air is purer, and so is the water, and food right out of the ground is not adulterated.

### The Packers Were the Hogs.

Of sixty-eight samples of sausages examined by the government analyst at Melbourne, Australia, not one was found unadulterated. In the so-called pork sausage put up by the packing houses not a particle of pork could be discovered.

### The Race Growing Smaller.

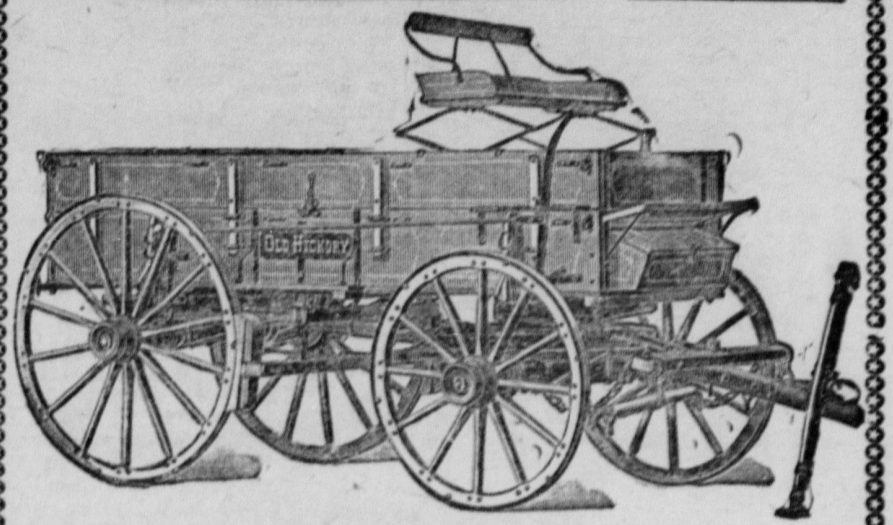
Size and sufficiency are not necessarily associated, as is shown by the way the Japanese have outwitted and outdone their Russian enemies in strategy and in combat. Nevertheless, it is not a good sign to find a people diminishing in size, and the English people are properly disturbed at finding that such is the case with them. Their improper nourishment is supposed to be the leading cause, but Dr. Anna Shaw reminds us that the American people are on the verge of taking the same turn.

A Brockton shoe manufacturer already claims to note a sign of degradation in a falling off in the demand for the larger sizes of men's shoes, and predicts that if nothing intervenes to prevent we shall be no larger on the average in another 100 years than the present Japs or Frenchmen.

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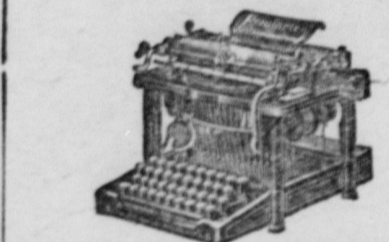
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