

Your heart beats 100,000 times each day!
 Put your finger on your pulse and feel the blood rushing by.
 Good blood or bad blood? Good health or bad health? You know. Your doctor will tell you his experience with Ayer's Sarsaparilla in these cases. Sold for sixty years.

**BIG BUG EXHIBIT
 AT WORLD'S FAIR**

(By W. E. Brindley.)
 Portland, March 20.—The old adage, "Send a thief to catch a thief," finds expression in changed form in connection with modern methods of insect extermination. "Send a bug to catch a bug," is the new version. The story of the way it works out forms one of the fascinating romances of everyday science, and the "Bug vs. Bug" exhibit will be one of the most interesting of the many interesting displays at the Lewis and Clark exposition.

There is an old saw that runs: "Big fleas have little fleas upon their backs to bite 'em," and "And little fleas have lesser fleas and so ad infinitum."

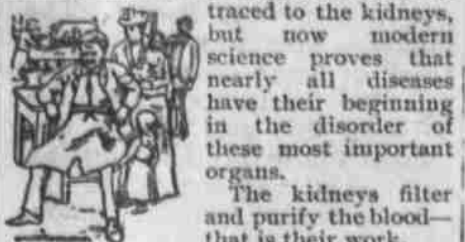
Probably the man who wrote the saw never conceived the possibility that the truth which it told might some day be of the greatest possible importance to the agricultural industry. In fact, the writer did not express quite the whole truth. The bug that bites the bug may be either smaller or larger than the bug he bites. The important thing is that the biting bug kills the bug he bites, and that the biting bug is a good bug, and the bug he bites a bad bug. The skill of the scientist must discover which bug is good and which is bad, and then effect a situation which will result in the extermination of the bad and the retention of the good. When this has been successfully accomplished, it will result in a saving to farmers of millions of dollars. Hence the importance of the researches of the scientist.

Men have been fighting insect pests almost as long as they have been raising crops, but until quite recently the results have been but indifferent, and in many instances, entirely ineffective. Many a man who now rides in his automobile and spends the summer at the sea coast remembers with dreadful distinctness the long hours he spent pick-

ing off potato bugs in the hot summer sun. And he remembers, too, that after a long day of such labor, the next day saw the potato vine still covered with an army of the pests. When the labors of the bug specialists are ended there will be no more potato slugs, for another bug, perhaps introduced from Australia or Africa, will have devoured them all as a bass devours the defenseless minnow.

The process is not, however, as simple as it appears. For which the scientist may discover a good bug that eats a bad bug, there may be another bad bug that will devour his good bug as rapidly as the latter is introduced. When this is the case, and it almost invariably is, a good bug must be discovered that will eat the bad bug that eats the good bug that was introduced to eat the bad bug. And there may be several good bugs that devour one kind of good bug. The complexity of all this is such as might well confuse and discourage the most patient and untiring laborer in the field of science. To take a suppositious case, let A be the bug the orchardist is fighting, and B one of several parasites that attack A. Then there is C fighting E, D fighting C and E fighting D. While A, C and E are pests, B and D are the very good friends of the fruitgrower. The complexity increases with observation. There are insects that are an aid to the orchardman at one stage of their existence and a dangerous pest at another. Every fruit or vegetable is subject to the attack of ten or a dozen enemies, who, in turn, are subject to attacks from ten or a dozen more. When all this is considered, one can appreciate how marvelous are the accomplishments of modern scientific methods. The United States government alone employs over 50 experts for the work of observation and the devising of methods to restrict destruction. But, after all, the cost of this preventive

Often The Kidneys Are Weakened by Over-Work.
 Unhealthy Kidneys Make Impure Blood.



It used to be considered that only urinary and bladder troubles were to be traced to the kidneys, but now modern science proves that nearly all diseases have their beginning in the disorder of these most important organs.

The kidneys filter and purify the blood—that is their work.

Therefore, when your kidneys are weak or out of order, you can understand how quickly your entire body is affected and how every organ seems to fail to do its duty.

If you are sick or "feel badly," begin taking the great kidney remedy, Dr. Kilmer's Swamp-Root, because as soon as your kidneys are well they will help all the other organs to health. A trial will convince anyone.

If you are sick you can make no mistake by first doctoring your kidneys. The mild and the extraordinary effect of Dr. Kilmer's Swamp-Root, the great kidney remedy, is soon realized. It stands the highest for its wonderful cures of the most distressing cases, and is sold on its merits by all druggists in fifty-cent and one-dollar size bottles.

You may have a sample bottle Home of Swamp-Root by mail free, also a pamphlet telling you how to find out if you have kidney or bladder trouble. Mention this paper when writing to Dr. Kilmer & Co., Binghamton, N. Y. Don't make any mistake, but remember the name, Swamp-Root, Dr. Kilmer's Swamp-Root, and the address, Binghamton, N. Y., on every bottle.

To Succeed Senator Bate.

Nashville, Tenn., March 21.—When the Tennessee legislature assembled today it was for the purpose of electing a successor to Senator Bate. The prevailing opinion among the members appears to favor the selection of ex-Governor Benton McMillin. Mr. McMillin, who was Senator Bate's most active opponent during the last campaign, withdrew in favor of Bate, with the understanding that should Bate retire McMillin would become the candidate.

Gardner to Box Seiger.
 Chelsea, Mass., March 21.—The Douglas Athletic Club has arranged a good card for its boxing show tonight. The wind-up will bring together "Jimmy" Gardner, of Lowell, and "Charlie" Seiger, of Hoboken. The articles call for a 15-round go at 138 pounds.

Like Finding Money.

Finding health is like finding money—so think those who are sick. When you have a cough, cold, sore throat, or chest irritation, better act promptly like W. C. Barber, of Sandy Level, Va. He says: "I had a terrible chest trouble, caused by smoke and coal dust on my lungs; but, after finding no relief in other remedies, I was cured by Dr. King's New Discovery for Consumption, Coughs and Colds." Greatest sale of any cough or lung medicine in the world. At J. C. Perry's drug store; 50c and \$1.00; guaranteed. Trial bottle free.

The fond mother of the engaged girl insists that it is hard to give her up—but you will notice that she gives her up all right.

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HUNDREDS OF NEW SPRING HATS—NO TWO ALIKE. ALL NEW STYLES, LOW PRICES. THE BEST IN QUALITY AND QUANTITY. TRIMMINGS—EXPERT TRIMMERS WHO WILL ATTEND TO YOUR WANTS. WILL TRIM YOUR HATS IN THE VERY LATEST MODES, AND CHARGES REASONABLE.

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 HOP GROWERS SUPPLIES. Crude and stick Sulphur.
 J. G. Graham, Agent, 207 Commercial St., Salem, Ore.

Notice to Alter and Establish Street Grade.
 Notice is hereby given that an ordinance to alter and establish the grade of Commercial street in the City of Salem, Oregon, from the south line of the donation land claim of William H. Willson and Chloe A. Willson, his wife, claim No. 44, to the south boundary line of said city, was introduced in the common council of said city and read the first and second times and referred to the committee on ordinances, on the 7th day of March, 1905, and all persons interested are required to appear and show cause why said ordinance should not be passed, on or before the next regular meeting of the common council, on the 21st day of March, 1905.
 W. A. MOORES,
 City Recorder.

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