

KLEIN and INVENTION
Electricity Kills Insects.
The Elektrotechnische Zeitschrift (Berlin) announces that it has received from M. Lokuzowski a description of an apparatus for the destruction of insects, of their larvae, and of caterpillars, the apparatus having been recently presented to the Odessa Technical society. Under a wagon drawn by horses or run by an alcohol motor there is placed a small dynamo. This dynamo is powered by a system of gearing placed on the axle of the vehicle, the dynamo being connected with an induction coil in front of which is placed a Wehnelt interrupter. The negative pole of the induction coil is connected with the iron framework of the vehicle, that is connected with a series of metallic beams placed behind and under the wagon. These beams are arranged in a vertical direction, and as they give forth a large shower of sparks, any insect within the range of the beams is destroyed. The wagon should follow immediately behind the plow, as the latter, by opening the earth, brings to light insects and larvae.
Feeder for Stock.
One of the disagreeable tasks in relation to the care of horses or other cattle is the necessity of arising early and supplying them with feed. This is especially true with milk dealers, bakers and many others who are compelled to get up an hour or two before serving their route in order to feed their horses. This is also the case on Sundays with all drivers of teams. Automatic time stock feeders are not new to the trades, by any means, but few are as simple as the one shown in the illustration. This is so constructed that the feed may be automatically released at a pre-determined moment by attachment to a power alarm clock and fed into a trough or manger.
A chute, through which the food is to be passed, is shown in the illustration, with a hinged door at right angles to the inner wall thereof, the door being connected with a spring-loaded project through the wall of the chute. This arm is fastened to a spring held to a pin in the outer wall of the chute. A key which supports a click is weighted down with food. As the clock runs down the cord withdraws the bolt and when the proper time is reached the door is released and the food falls down to the manger. After the door is relieved of its weight the spring will cause it to resume its normal position. This would also be very useful in large establishments.
The patents are John R. Ray and William E. Stanley, of Salem, Mo.
Would Eliminate Rats.
Unmistakingly against rats is advocated by Sir James Crichon Broome, who says that people normally are living under sanitary conditions which will seem as shocking and gross to their descendants as we regard as conditions that obtained two centuries ago appear now. In advocating a crusade against rats, Sir James suggests a new form of sanitation. "We have with us," he says, "lots of young men who time hang heavily on their hands, and who might have their amusements by rat-catching, which must be quite as exciting and elevating as pigeon shooting. One or two sporting papers would give a description of the battles and reports of the bags, with odds on the favorite rat-catchers and portraits of the record-breakers, those pious little rodents would soon become scarce—no more, indeed, enthusiasts would take to breeding and laying them down, as we do pheasants. Great things may be expected when sport, fashion and sanitation join hands in rat-catching."

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UNITED PRESBYTERIAN—M. R. Mosely, Pastor, Sunday school at 9 a. m. Public worship 10:30 a. m. and 7:30 p. m. Sabbath school at 10:30 a. m. and 7:30 p. m. Prayer meeting on Thursday evening at 7:30 p. m. All are invited.

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Church Notes.

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