

*Spraying Crops; Why, When, and How.* By CLARENCE M. WEED. Illustrated. New York, Rural Publishing Company. 110p.

The author of this little book, formerly connected with the Ohio Agricultural Experiment Station, is now at the New Hampshire Station in the capacity of Entomologist. He has given in a condensed form an account of many insect and fungous foes of various fruits, trees, and vegetables. The information in regard to the former is much fuller than in regard to the latter, which is naturally to be expected from an entomologist. Quite full histories are given of the codling moth, the curculio, the canker worm, and the tent caterpillar. The only fungous disease treated with any degree of fulness is downy mildew or brown rot of grapes. The formulæ for the principal fungicides and insecticides are given, together with instructions how to combine the two. The few pages devoted to spraying are scarcely adequate to give a beginner an idea of what to do or how to go to work to do it; and in this respect the book is incomplete. Among the plants whose insect and fungous enemies are discussed we find the apple, peach, pear, plum, cherry, strawberry, currant, gooseberry, grape, rasp-

berry, rose, potato, cabbage, and others. Some of the worst fungous diseases are not mentioned, such as oat and wheat smut, apple rust, peach yellows, pear and apple blight, etc. It cannot, however, be expected that in so small a book everything could be mentioned and described. It is, too, not improbable, that as these diseases cannot be prevented by spraying, that they are omitted intentionally. On the whole the book is one which will prove useful to the general fruit grower. JOSEPH F. JAMES.

D. C. HEATH & Co. have in press, and will soon issue "Elements of Plane and Spherical Trigonometry" and "A Treatise on Plane and Spherical Trigonometry," by Edward A. Bowser, Professor of Mathematics and Engineering in Rutgers College. The former is a brief course in the elements of trigonometry, particular attention being given to the numerical solution of plane and spherical triangles. It is prepared especially for high schools and academies. The latter is for more advanced work and covers the entire course in higher institutions. The books abound in numerous and practical examples, the aim being to make the subject as interesting and attractive as possible to the student.

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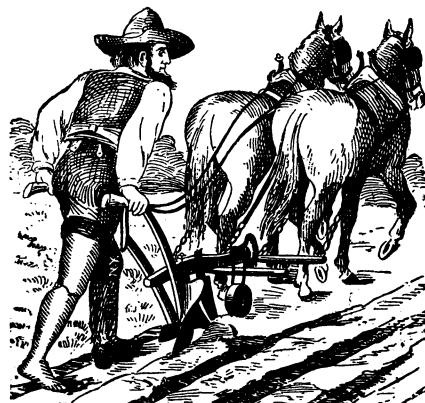
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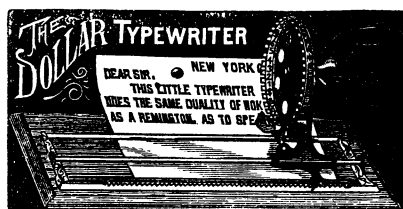
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