

BOOK REVIEW.

FERTILIZERS AND CROPS.

A new book, "Fertilizers and Crops," comprising 710 pages, written by Dr. Lucas L. Van Slyke, Chemist, of the New York Agricultural Experiment Station, has just been published by the Orange Judd Co., of New York. This new book is a timely presentation of facts, not only giving practical methods for using fertilizers in crop growing, but placing special emphasis on the reasons underlying their use, and on the conditions of greatest efficiency. It has been prepared for the use of students in agricultural schools, and especially for the larger class of students directly and vitally interested in the growing of crops. At no time in the history of North America has the growing of crops attracted more attention than at the present, and at no time has there been such eager inquiry for reliable information among progressive farmers. The author has kept in mind the fact that a work treating of fertilizers and their practical use on the farm must be something more than a mere collection of recipes giving the number of pounds of different fertilizing materials to use for any crop. The book is divided into four sections. The first part, of twelve chapters, covers the factors of soil fertility, discussing essential plant foods, how they are obtained by plants, losses involved, relation of water to soils and crops, and methods of soil management. The second part covers the sources and composition of materials used as fertilizers. All kinds of fertilizers are thoroughly discussed. The third division deals with the selection of materials for different crops, and the fourth the practical use of fertilizers on individual crops, including orchard crops, greenhouse crops, nursery crops, as well as all the common crops of the farm. The book contains an immense amount of information on a subject none too thoroughly understood by students or farmers. It may be had through this office at \$2.50, postpaid.

A NEW BOOK ON FRUIT-GROWING.

"Beginners' Guide to Fruit-growing" is a new book, by F. A. Waugh, written especially for beginners, as the title implies, and dealing with the simplest questions, which are the ones most often asked. The propagation, planting, management, pruning, spraying, and renovation of the various fruit trees, bushes and vines, are dealt with in separate chapters of the book, which comprises 120 pages of well-illustrated, easily-understood, excellent matter, from a practical viewpoint. It is a work seeking to encourage general good management in place of general neglect. All the various lines of approved orchard work must be applied at once. Attempts at renovating old orchards often fail, but the reason is that the person in charge has a notion that the whole thing can be accomplished by grafting or spraying, or by some other one or two partial reforms. In most cases it is not worth while to undertake any one of these unless the whole scheme is to be put through vigorously and systematically to the end. So it is with all phases of fruit-growing. They must be pushed at all parts of the business. This little book, well bound, concise, simple and complete, tells how. It is published by The Orange Judd Company, and may be had through this office at 75 cents, postpaid.

Doris was radiant over a recent addition to the family, and rushed out of the house to tell the news to a passing neighbor.

"Oh, you don't know what we've got upstairs!"

"What is it?"

"It's a new baby brother!"—and she settled back upon her heels and folded her hands to watch the effect.

"You don't say so! Is he going to stay?"

"I guess so"—very thoughtfully. "He's got his things off."

Get Busy With a Baler

If you have clover, timothy, prairie grass, or alfalfa, it will pay you to bale it. Loose hay takes barn space. You cannot sell it easily and you cannot ship it at all. It is the hay that is baled which is in demand in the high-priced city markets. This is the hay upon which you make your profits.

The difference between what it costs to bale hay and the increase you get in price per ton, gives you a bigger margin of profit on your work than anything else you do on a farm. You can bale easily from 8 to 16 tons a day and under certain conditions, several tons more. Baled hay can be made as much a big cash crop to you as your wheat, corn, or oats. All you need is the right kind of hay press. There is money in owning an

I H C Hay Press

An I H C pull power press in either one or two-horse style, or an I H C motor press with a 3, 4, or 6-horse power I H C engine, will do the work required on any farm cheaper, quicker, and with less attention than any other hay press so far designed.

It has taken years of field testing to make these presses the best that you can buy. They are that now. The horse power presses have greater capacity than any other horse press of equal size. They are lighter draft and easier on the horses. The step-over is the lowest and narrowest made. They have an adjustable bale tension, which insures compact bales. They are equipped with a roller tucker to turn in all straggling ends, thus making each bale neat in appearance.

I H C motor presses consist of a bale chamber and an I H C engine mounted on substantial trucks. The bale chamber of the motor press corresponds in size to the



bale chamber of the horse press—14x18 inches, 16x18 inches, and 17x22 inches. No time is lost in setting up the machine. It can be moved easily from place to place, backed to the stack or barn, and started to work at once. The engine does not need a man to watch it and there is no danger from sparks. When not baling hay, the engine can be detached. Two extra wheels, an axle, and a belt pulley are furnished, so that with a little adjusting, you have a regular portable I H C engine ready for business 365 days each year. You can operate a small thresher or corn shredder, saw wood, shell corn, grind feed, pump water, generate electricity, or run a cream separator. You thus purchase two useful machines in one. There is profit in the hay press and unlimited work in the engine.

Hay time is drawing near. Be prepared for it. Drop in and see an I H C local agent in your town, or write the nearest branch house for a catalogue.

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I H C Service Bureau

The purpose of this Bureau is to furnish, free of charge to all, the best information obtainable on better farming. If you have any worthy questions concerning soils, crops, land drainage, irrigation, fertilizers, etc., make your inquiries specific and send them to I H C Service Bureau, Harvester Building, Chicago, U S A



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Bill—And you asked the father for his daughter's hand in marriage?
Jim—Yes, last night.
Bill—What did he say?
Jim—He was very angry.
Bill—And what did you do?
Jim—I treated him as I would a king.
Bill—How so?
Jim—Why, I backed out of his presence.