

pin his faith to views so antagonistic to the teachings of science as those required to be accepted by persons claiming wheat as its source.

REMEDY. The great remedy for chess is to be exceedingly particular about the seed you sow. A few seeds scattered among wheat do not seem to amount to much in the heap, but if they were taken out we would be surprised at the quantity mixed among the grain.—*Extract from Bulletin XLVI.*

Young Stockman's Department.

Prize Essays from Our Boys.

The farm boy has capabilities which oftentimes he does not know that he possesses. They lie sleeping as quietly as his house dog on the rug by the kitchen stove in winter evenings. He does not know that he has them, and we wish to help him to find this out. With this object in view we will offer prizes from month to month for short essays to be written by the boys of the farm, not more than sixteen years of age, on farm topics that will be named from time to time. The essay must be accompanied by the name and address of the writer, and should reach this office not later than the 15th of the month preceding that in which the prize essay will appear. But our prize will be given each month, and in each month will appear the prize essay of the preceding month's competition.

Each essay is not to exceed one column of the JOURNAL in length. The writer can easily estimate the space by counting the words in an average line of a printed column of the JOURNAL, and also of a line of the manuscript which he is writing, and then ascertaining the number of lines of manuscript required for a column of the JOURNAL.

Subjects for Essays to appear in November:

1. Curing Pork for House Use on the Farm.
2. Care of Breeding Ewes from the Time of Housing until Lambing Time.

Subjects for Essays to appear in December:

1. The Feeding, Care, and Management of Fowls during the Winter Months.
2. The Feeding, Care, and Management of a Foal During the Winter Months from Weaning Time until Spring.

To the writer of the essay winning the prize in each of the above competitions will be forwarded by mail, free of cost, any one of the following books. All of which are used as text books at the Ontario Agricultural College, Guelph, and the cost to the retail purchaser, about one dollar each:

1. *The Soil of the Farm*, by Scott & Morton.
2. *The Crops of the Farm*, by Scott & Morton.
3. *The Chemistry of the Farm*, by Warington.
4. *Hand-book of Agriculture*, by Wrightson.

This list will be increased in succeeding issues.

Now, boys, put on your spurs and enter the lists. Many of you are capable of becoming leaders and instructors. It would be a shame to allow your talent to rust like the cast aside plow in the fence corner. We will expect a lot of good essays to reach us on the subjects named for November by the middle of October. Don't delay for a single day as you have no time to lose.

Books for the Boys of the Farm.

The boys of the farm who wish to know more than their neighbors cannot do so without they read. They

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must read agricultural papers. They must also read books on farm topics that are carefully written. Now boys we want to make it easy for you to get the books you may want even though you have no money to pay for them. A good honest farmer's boy (and the country has lots of them) is not afraid of work. To any farm youth who will send us the names of two new subscribers for the JOURNAL for one year and \$2.00 we will send by mail, free of cost, any one of the following books which are used as text books at the Ontario Agricultural College, and which cost retail in the neighborhood of \$1.00 each:—

1. *The Soil of the Farm*, by Scott & Morton.
2. *The Crops of the Farm*, by Scott & Morton.
3. *The Chemistry of the Farm*, by Warington.
4. *Hand-book of Agriculture*, by Wrightson.

This list will be added to in future issues. Sample copies of the JOURNAL will be sent to use in canvassing to any one asking for them. In canvassing for subscriptions you may say that we will give the remaining numbers of the JOURNAL for this year free, or from now till the end of 1890 for \$1.00. Who will be the first to send in two orders?

To the Boys of the Farm.

When those engaged in the live stock industry wish to rear animals of superlative excellence they feed them well, and keep them pushing well ahead from birth without any periods of stagnation. Unless this is done with the most unremitting care and constancy no animals can be reared that will capture prizes at any of our leading exhibitions.

On similar principles the boys of the farm are to be reared, who are to be the leaders in the future. They must be fed with a full supply of intellectual food from the earliest period, and it must be given to them with a constancy that knows no periods of rest.

In the hope of doing what we can in the great work of educating our farm boys, we have concluded to open a department to be known as the "Boys' Department." We hope our boys will look upon it as their special heritage. We want them to help us to take care of it, and to tend it as carefully as though it were a part of their own garden plot upon their father's farm. We will plant in it trees of farm knowledge bearing many kinds of pleasant fruits, which will certainly be shared by the boys who assist us in tending the trees.

We would have you remember, boys, that the leaders of the future will be educated men, men who in boyhood have made the most of their chances by eagerly seizing every opportunity for improvement. You may not have the opportunity of going much to school or to college at all, but if you read with care and thought what comes within your reach in relation to your life work, you can with prudent effort bring yourself to the front.

You may be able to manage a team well. Perhaps you grow prize lambs. You may have been the owner of the best kept garden plot in your section of country. If so, we are glad to know it. But we would have you remember that in the future these things will not of themselves make leaders of men. Those who direct others will have to be educated wherever they may get their education. We remind you, boys, that bringing together a few hundred acres of land will not of itself make you men of mark. Winning many prizes at the shows will not of itself make you men of influence, you must have trained minds, and it will be all the better if these are self-trained.

Read the Publishers' Column and help along the cause of good farming.

Now, boys, what we propose to do is simply this we will offer prizes from month to month for short essays on a great variety of subjects relating to every department of the farm. The subjects of these essays will embrace the breeding, rearing, feeding, and management of live stock; the cultivation and growth of farm crops; the orchard; the garden; the apiary; and the dairy; and indeed every feature of farm life relating to growth and production. The essays of the successful writers will be published in this department.

Again, we know, boys, that many of you have given much attention already to the growth of young stock, and to the growth of many other things, and we would like to know what your methods are; we want other boys to know as well, for if you can assist other boys in becoming better farmers the very thought of this will give you pleasure. To enable you to do so we invite you to send letters for publication in this column. If you fed a pig from an early age and made it to weigh 160 pounds when dressed at six months' old, tell us how you fed it. If you raised water-melons large enough to make the teeth water to look at them, tell us how you managed, and in the same way tell us what you did in order to produce any thing else that is truly good. If there are any things you want to know, and no doubt but there are, just ask us in this column and we will try and help you.

Now, boys, rain in the letters upon us during the month of October, and we will try and get room for them in the November issue. Make them short and to the point, and use plain and simple English in writing them. Never write a sentence without saying something, and we promise you you will find the work more helpful to your minds than base ball is to your muscles.

More particulars are given in reference to the essays for which prizes are offered in another place.

Jottings.

Presentation to Mr. E. W. Chambers.—At the close of the Provincial Exhibition held in London, Mr. E. W. Chambers, of Woodstock, Superintendent in the Cattle Department, was presented with a handsome gold watch and chain by the exhibitors. This is not the first present Mr. Chambers has received in that or a similar capacity, and no doubt the tributes thus given so freely were richly deserved.

Charlotte County Agricultural Fair.—The Charlotte County Agricultural Society, of Prince Edward Island, hold their annual Fair and Ploughing Match at the Alma House, St. Andrews, Oct. 8th and 9th. A number of premiums are offered for the various breeds of cattle, horses, sheep, and swine, while the products of the household are not overlooked. Mr. Jno. S. Magee, St. Andrews, is the Secretary of the Society, and Mr. R. R. Stevenson, the President.

Soiling Endorsed.—"We do not know him, or who he is," says Dr. Hodins, in the *Vermont Watchman*, "but Professor Thomas Shaw is right when he maintains that production of special crops for soiling stock effects a saving in land to the extent of enabling the farmer, with about fifty acres, to raise more beef, mutton, milk, butter, or cheese, than the one with one hundred acres who pays no attention to growth of green fodders. All this is true, but when the country fills up, and all the farm land is occupied, we shall see (or those who are then living will see) the merits and advantages of high farming and of soiling stock."—*Hoard's Dairyman*.

A Good Milk Yield.—A wonderful milk yield is recorded on behalf of the Guernsey cow, Pretty Dairy Maid, which won for her owner, Mr. D. O. Le Patourel, of Guernsey, the champion cup for the best female of her breed at the recent Windsor show. In a test carried out by the Royal Guernsey Association during three days the cow was milked four times daily—at five a.m., eleven a.m., four p.m., and ten p.m.—and gave 61 lbs. 2 oz. on the first day, 62 lbs. on the second, 52 lbs. 9 oz. on the third, when she

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