

Address communications to Agronomist, 73 Adelaide St. West, Toronta

partment of Agriculture at Ottawa, slightly warmed.
dealing with the subject of pigeons, Stock Raiser, Durham Co.—The
names three breeds suitable for squab farmers in this district grew large names three breeds suitable for squab production, the Homer, the Carneau and the Mondaine. The Homer is generally acknowledge to be one of the most profitable breeds for this purpose. It is a hardy breed, very active, prolific, and produces a good average weight squabs. The Carneau, originated in Flanders, has been bred for food for many generations. This breed has the habit of remaining close to the home quarters when given its freedom. It is prolific and robust and the squabs develop rapidly. The Mondaine, bred originally in Switzerland, is a utility pigeon, and is stated in

Question-What breeds of pigeons fore them a constant supply of water are best adapted for the raising of squabs for the market?

Answer—Bulletin No. 15 of the Denounced when the water is given

and egg production about August and September, and will exhaust a certain chickens of the general purpose type, amount of their strength by the time not later than the end of April, the that cold weather comes, with the re-sult that they very often go into a moult, stop laying, and owing to short days of feeding, cannot regain their most profitable production of winter strength sufficiently to produce until eggs in western Quebec.

Western University, London, is a

under Professor H. W. Hill. Dr. Hill

Too little importance is attached to the value of the typewriter on the farm. As one farmer put it when the subject was broached to him: "Never write a letter but once or twice a year, and then I guess I can use the elephant tracks I learned to make at school." Too many men are of the same mind. Sometimes it is this small matter of writing a few neatly-typed letters which takes away the farmer's 10 per cent., and part of his good living. It is excusable when a rebuilt typewriter may be bought for a small bottle is essential for this purpose. If typewriter may be bought for a small sum? Every man with a well regulated business owns and uses a typewriter. How about it? Is your business well regulated or simply hap-

Markets and Requirements for Export Cattle. Feeders of beef cattle may lo with considerable assurance for

strong market for properly selected and finished export beef on the hoof during the latter part of April and the first weeks of May. No very great movement can take place before that time, for the terms of the cattle embargo removal which become effective time, for the terms of the cattle embargo removal, which become effective April 1st, stipulate that all cattle must be shipped from a Canadian port. Montreal is the logical economical port for these shipments but it will not be open until about the end of April. A few shipments may go by way of Halifax or St. John in the meantime, but on account of the high coat of but, on account of the high cost of rail transportation, the bulk will be held for the opening of the port of Montreal. Present indications point to a heavy demand from the British market as soon as it can be supplied.

The statement "properly selected and finished" used above is used adcomplishing good things through its faculty of Public Health, conducted connoisseur of beef, and visedly. The British consumer is a connoisseur of beef, and his palate is not likely to be satisfied with any sechas been in charge of the Institute of ond rate meat, consequently if w Public Health since 1912, except for not wish to land this prospective

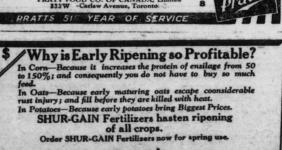
SMOKE in and pkts. tins show carefure when given in free good good and the special controlled to the properties and still the insert properties between the properties and still the insert properties between the properties and still the insert properties between the properties and marries of properties between the properties and marries of properties between the properties and marries of properties between the properties between the properties between the properties and marries of properties between the properties be Why I Use a Drill for Small Grain. A field is more easily and more lickly sown with the grain-drill than hand or wagon-box seeder, since the is no stepping-off and gauging be done—nothing to do but hitch and drive. With hand-sevil t step off of the step of the step off of the step of the step off of the step off of the step of the







ur Agent or write us. Swins 1204 St. Clair Street wanted in territories wanted in TORONTO



PAPER AND INK

Paper is made of wood, rags, straw, etc., dissolved with sulphuric acid and made into a soup, then rolled into sheets. Ink is made of certain salts of iron, or even soot and boiled oil. In themselves they are always paper and ink, beautiful products sometimes at that. When we put ink on paper with brush or pen it means no-thing unless we put thought into their use. Then they become things which make us laugh or cry, wise or foolish. Paper, ink and thought has preserved for us the records of the human race for us the records of the human race and the wisdom of the world, and has brought to us one of the greatest and worthiest enjoyments of life. Paper and ink alone have done nothing

And so with farming. We have the soil, the tools and the seed. We can put the seed in the soil and use the tools to scratch around with, and we sometimes call it farming. But it is not farming until we mix with these

When we do that, farming becomes to us a profitable and enjoyable thing. Perhaps the reason so many are failures in farming is because too many use these tools without thought, without anticipation, without ideals—because they are just paper and ink farmers.

to place the thermometer in its cor-rect relationship to the eggs," writes a man who has had many years of experience with incubators. "The great majority of incubator users do not understand that unless the incu-bator thermometer is kept in a certain position with relation to the eggs, the thermometer will not register the proper temperature.

I have always held that during the I have always held that during the period of incubation the bulb of the incubator thermometer should rest on a fertile egg, in order that the correct hatching temperature might be maintained. An infertile egg, or an egg in which the germ has died, will not be cutte to warm as a fertile one, and be quite so warm as a fertile one, and when the bulb of the thermometer rests on an egg in which there is no life, the thermometer will register a lower temperature than when the bulb is in contact with an egg containing

There are different opinions regarding this, however, the same as there are about other things in connection with the operation of incubators. The careful user of incubators will, after a hatch or two, know how best to a hatch or two, know how best to place the thermometer in the egg-chamber to get the best results. And the incubator user will learn, not only how to handle the thermometer, but everything else necessary to be known about the operation of the particular machine in use by carefully observing and following the instructions given by the manufacturer of that incuby the manufacturer of that

Each incubator manufacturer is Each incubator manufacturer is sincere in his desire for each one of his customers to be successful. Each manufacturer knows how his incubator should be operated to get the best results. If the instructions accompanying the incubator you are using say to place the thermometer on the eggs put it there, because that particular incubator is made for the thermometer to be placed in the position mentioned. If you have an incubator equipped with a thermometer hanger, and the instructions say to put the thermometer on this hanger, then follow these instructions, because this particular machine is so made that the correct hatching temperature can be maintained only by placing the thermometer in the incubator ac-

cording to the instructions.

If all incubator users will bear in mind that the instructions accompanying each incubator should be carefully followed, and will then follow them, it is not likely that there will be any serious difficulty in maintaining the short, follow instructions and you will not have thermometer troubles.—R.

Another Sideline for Farmers

Our Japanese friends are seeking out every little scheme for making their small territory contribute its maximum to the support of a dense population. Now we get this authentic news: A shipment of bullfrogs have been made from America for the purpose of providing the Japanese farmers with another sideline and at farmers with another sideline and at the same time provide for the destruction of many of the insects troubling in the paddy fields and truck gardens. There could be no good reason advanced why this line of production should not be encouraged in many localities right here in Ontario. Any person who has spent a single spring near some of our swamps will swear that conditions here are favorable.

Drilled oats outyield oats broad-

Says Sam: When the boys begin to ask can they have the buggy to-night, that's another sign of spring.

Fertilizing the Orchard

Calculated from analysis an orchof applying nitrate of soda early in ard producing 100 barrels of apples May, and not later than the 15th, thus per acre would take from the soil 45 giving a vigorous start to the early pounds of nitrogen, 12.1 pounds of spring growth. There is some eviphosphoric acid and 43.2 pounds of dence to show that 200 pounds per potash. It is found in actual practice acre in the early spring may not be that more phosphoric acid is required too large an application. It is pospounds of nitrogen, 12.1 pounds of phosphoric acid and 43.2 pounds of potash. It is found in actual practice that more phosphoric acid is required than is revealed by an analysis of the crop. Experimental results would be composed that more phosphoric acid is required than is revealed by an analysis of phosphoric acid, and 50 pounds of potash, should be furnished annually to the average orchard in bearing; one producing about 100 barrels per crop to take up the excess of plant to the average orchard in bearing; one producing about 100 barrels per crop to take up the excess of plant of phosphate, or slag, and 100 pounds of nitrate of nod, or subphase of ammonia, 300 pounds of ammonia of nitrate of nod, or subphosphate, or slag, and 100 pounds of phosphate, or slag, and 100 pounds of phosphate, or slag, and 100 pounds of pounds of introgen, 8 pounds of phosphase, or slag, and 100 pounds of pounds of producing and the phosphase of the pounds of potash, or subphase of the pounds of potash, or subpha