their nestlings upon an average 36 times in an hour. For the protection of orchards and woods timice are of invaluable service. They consome in particular the eggs of the dangerous pine spiders. One single female of such spiders frequently lay from 600 to 800 eggs twice in the ummer season; while a titmouse, with her roung ones, consume daily several thousands of them. Wrens, nuthatches, and woodpeckers often dexterously fetch from crevices of treebark numbers of insects for their nestlings.

2nd. As a proof of the valuable services renleted by swallows it is estimated that one of hese birds will devour 900 insects in a day, and hen it is considered that some insects produce amany as nine generations in a summer, the tate of the air, but for these birds, may be adily conceived. One kind of insect alone ight produce 560,970,489,000,000,000 of its ace in a single year!

3rd. A gentleman in the County of Kent, agland, writes thus :- I have excellent means I knowing that in various parts of the county, hole crops of fruit, vegetables, and grain have en swept off entirely by various kinds of mineinsects, which the birds alone are competent detect and destroy, and which not one man \_anundred knows anything about. Men see eir hopes blasted, but they believe some ill ad has blown "a blight," for under that gue term they designate all such evils. In no alities have insects done so much injury to e fruit where birds are indiscriminately and stematically exterminated. The gardens in me localities are planted with plum trees. In 58 they promised an extra abundant crop, but g before the fruit was matured the havoc of winter moth, upon which the birds, especithe titmouse, feed, consumed almost the ire crop.

lay not the foregoing statements relating to interesting subject of protecting and encour-ng the introduction of small birds into the ring and improving Province of Canada be tsubject for the consideration of the Board Agriculture? Perhaps a more favourable ntunity for procuring three or four species irds will not again occur as at the forthing National Exhibition to commence in land next spring, where a great variety of will be collected, and all the bird funciers dealers in England may be consulted. missioners deputed to proceed to England 4 Exhibition, might be authorized to purand bring out some bics, to be let loose be city of Toronto, where they would be cited for a while in the large gardens and are grounds within the limits of the city, ncrease would hereafter migrate through country, and become exceedingly useful in struction of insects. The expense would and the benefits arising from the inction of the birds would be beyond any

Only one kind or variety present computation. should be placed in each coop, or cage, during I am, Sir, Your faithful servant, the voyage.

J. B. MARKS.

IIt affords us much pleasure to insert the above very interesting communication from an old and zealous friend of Canadian Agriculture, who, though at present widely removed from us. continues to cherish an unabated interest in the welfare of this new country, in which for many years he permanently resided. We commend the subject of Mr. Marks' letter to such . f our farmers and gardeners especially, as take a practical interest in those branches of Natural History to which it more immediately relates. Considerable success has already attended the introduction of several species of British birds into the Australian colonies; and if similar attempts were made in these parts of the American continent, due attention must be paid to the length and severity of our winters. The reckless destruct (n of birds is no doubt as impolitic as it is inhuman.-EDS.]

## Comminuted Food.

[From the Irish Farmer's Ga. atte]

Sir,—I am induced by your confessing in your issue of the 18th ult. "to feel great interest in the experiment" of using "comminuted food" to trouble you with my experience of the system. In 1860 I had, in every sense of the word, a very small turnip crop; but having a chaff-cutter and one of Bentall's most excellent root pulpers. I determined to try the plan of giving the turnips pulped and the hay chaffed and mixed together to my stall-feds, numbering 20 beasts. Both machines were worked by manual labour, and So well pleased the food prepared every day. was I with the result that I made up my mind to erect a "one-horse gear," by which I would be enabled this year to work the two machines together, and on a much more extensive and more economical scale. The horse gear cost £10, exclusive of the expense of setting it up, which was triffing. 40 beasts are fed three times daily on the "comminuted food," besides 50 sheep that are fattening, and 8 farm horses have their havchaffed. The cattle get all their hay through the turnips, except a little at night. It takes a horse about 24 hours daily to do the entire work. The great advantages of the system are, firstly, from the ease with which the cattle consume the prepared food, additional time is gained between each feed for rest, besides the saving of muscular exertion necessary to enable a beast to get through a feed of whole awede turnips, which is .