habit of hiding its surplus food; it always hunts it up when in need of it again. I also poseress two great Horned Owls and they also hide their food when satistied, returning to it again when hungry. Watching the movement of these birds led me to think that ther must be albe to reason in a small degree. 1 hope to be soon able to Rend you an electrotype of my beer head, so that you can insert it at the heal of me advertiseinent.

> I am yours, de.,
R. B. Schaten.
$\left.\begin{array}{l}\text { Gravenhurst, Ont., } \\ 25 \text { Hil }_{1} \text { March, } 1851 .\end{array}\right\}$
Note.-Mr. Scriven is just the kind of man we want to hear from periodically. His questions are so far interesting and in order, as they invarially lead to the advancement of our knowledge of Natural seience. In regard to the Deer horns, our answer was given in harmomy with his description and drawing. We conld not anawer otherwise, as all the North Americ:an Cervide are lescribed. It may be possilile that the heals in his possession are those of at surposed deer called the Little Moose, said towecir in the nortinwestern forestr. We have me knowledge of the animal excepting from correspondence. We do not believe birds can reason. They are donbthes provided with acute instmet, and the hiding of fowd when mot required by them is a fored of habit derived from the stability of the species through ages past. The crow family possess it to an extraordinary degree; they not only hide their surphas food but steal and hide every light article they place their eyes on. For instance the Eurpean Jackdaw and our Blue-day.
$S_{\text {IR,-I }}$ I see in your March number a letter, states "Hammertess Greener," in which he with 2 he has made an extraordinary pattern whth $2 \frac{2}{2}$ drams of powder and $\frac{1}{2}$ an ounce of penetratione does not say anything alout the fired upation. For the last five years I have ${ }^{\text {Pired ud upards of ten thomsand shots at Pettit's }}$ the sand lately at a Force Gange made on the Lame plan as the "'Field Gauge" used at ${ }_{5}{ }^{\text {a }}$ pendulun Gun Trials of 1879 , excepting I use ${ }_{5}^{4}$ pendulum (3 feet long) with a circular plate ittaches diameter, instead of a 10 inch plate,

I have tried 2d drams of powder (C. \& H's No. (i) and $\frac{1}{2}$ an ounce of No.f Newcastle Chilled ( 270 pellets to the ounce) with three 12 bores hy W. W. Gremer. I send yout the average of 12 shots with the above charge, and also the average of charges that suit my gums best, so that your correspondent can compare them. I always tire from a rest in which the gum is hedf, the recoil being taken by a leather brecehing passed round the heel plate:


No. 2 (ium, in inch harrle, wighte pounds 10 ozs.




Ont of the thirty-six shots fired, four halled with No. : grun, and one with No. 2 gun. Thromghon the trial the pattern was very unexon, thene in chaters, appearing as it the shot had hallew on leaving the g.m and separated a liew yards in front of the target. Aceorting 1 .. 1 y experments a foree of 2.40 is equal to about 30 sheets of the pad. Conld "Hammerless Greeno " wherent any other charges, ete., I would be most happy to give them a trial at my forece gange and repurt the result throngh giur columus, powiding yon would kindly


> Yours truly,

12-Bone firbener.
Lachine. P.(Q., April 5, 1881.

## INSECTIVOROUS BIRDS.

are: tiey benefietal to tife fabmer and Fhut grower.

Sin.-In the Eleventh Ammal Report of the Entomological Society of Ontario, the President, Whi. Saumers, in his ammal address, states his conviction that hat romparatively little help is grot from hirds in keeping in sub jection injurions inseets, and having examined the contente of the stomachos of a large number of birds, be has only fomud occasomally an injurious insect therein. He mentions the swallows, Hlnevbinmes; kinghird, Tyramas Carolimensis; pewer, Nomornis fuscus; nighthawk, Chordeiles popetue; yellow warbler, Deudraca astica; red start, Septophaga

