

same way, will produce a similar effect. Carbon possesses the power of absorbing and deodorizing a vast quantity of ammonia, and the materials as in the former case, form a very powerful fertilizer, adapted alike to the farm or the garden. Enough has been written of late in our columns on the importance and general principles of ventilation to induce our readers to entertain this vital question in an enquiring and earnest spirit; and we think if our correspondent carries into practice, in a common sense way, the few hints we have offered, he will soon have no occasion to complain of the injurious effects of Ammonia in his stable. His other questions involve considerations in relation to modern veterinary practice, which we cannot answer at the moment, or without the advice of a practitioner.

**PROPER AGE OF BREEDING CATTLE—Taurus—**You are quite right; both bulls and heifers are commonly used for breeding much too early in this country, to the irreparable injury of their growth and constitution, and consequently of their progeny. It is doubtful whether bulls ought to be used at all before they are two years old, and heifers most assuredly ought not to be before that period. Perhaps some of our breeders will favour us with an article on this subject, and the general management of breeding stock, as suited to Canada, on which our correspondent seeks information.

**A LOVER OF FLOWERS.**—There are now extant several excellent manuals of botany, and like many other questions, it is difficult, or rather impossible, to say which is absolutely the best. Something will depend on the price you are disposed to give, and the nature and extent of your enquiries. Dr. Lindley's series, commencing with "*School Botany*," is the most complete; constructed on the natural system, and brought down to the latest improvements and discoveries in the science. Professor Balfour's introduction (of Edinburgh) is excellent: and Professor Gray's Botanical Text-Book (of Harvard, Boston) would be found both cheap and well-adapted to beginners. The works on Agricultural Botany published in the old country are expensive; the only one we are acquainted with as issuing from the American press, and at a low price, is Darlington's, published by Newman of New York, which our young Agricultural readers, desirous of becoming acquainted with this delightful department, of organic nature, may use with both pleasure and profit.

**P., BOND HEAD.**—We are not aware of any "Oat-sea Bruiser" manufactured in this country. The "*American Corn Crusher*," made, we believe, either at Hester or Albany, N. Y., would probably meet your wishes. It is an effective machine, usually worked by horse-power, and can be so adjusted as to crush corn, peas, barley, &c. We do not know of any other. Rapalje of Rochester, or Emery of Albany doubtless give all necessary information.

Experience has now sufficiently proved the advantages of bruising grain for horses, sheep and cattle; a practice which materially aids mastication and facilitates digestion.

**PREPARATION OF FLAX.**—We have received several enquiries of late relative to this subject. Improvements in Flax machinery are in constant progress in England, and we perceive that the Hon. R. H. Clive, M. P., was about to bring a statement before the Council of the Royal Agricultural Society on the mechanical preparation of flax from the straw by simple machines adapted for the use of farmers. An economical and efficient Farmers' Flax Mill has long been felt as a desideratum, that is now in course of being supplied; and we will lose no time in making our readers acquainted with the purport of Mr. Clive's report, as soon as it reaches us. Mr. Commissioner Widder, a warm and steady friend of Canadian Agriculture, has dispatched orders to England for the most improved flax-dressing machine adapted to the wants of this country, which he hopes to receive in time for our Provincial Exhibition, in September next.

**BET-ROOT SUGAR.**—W. H.—We are directing attention to the matter, and shall shortly have something to communicate that will meet your wishes.

**OUR ENGRAVER.**—It is with much satisfaction that we refer our subscribers to the Illustrations of Animals [Hereford Bull, Shepherd's Dog, and Leicester Ewes] in our April and present number. The cuts were executed by Mr. ALLANSON of this city, who has had much experience in his art, both in England and on the continent of Europe. As the quality of the paper we use, improves, [which is a Toronto manufacture] our illustrations will appear to better advantage.

#### THE CANADIAN "FAMILY HERALD."

We have to acknowledge the receipt of several numbers of this interesting and instructive Periodical. The articles, whether original or selected, are pleasingly treated and varied, so as to gratify a wide range of tastes;—those on Art, Literature and Natural History, we have been pleased particularly with. The work as it progresses, fully sustains its title, and is admirably adapted to family reading; it being wholly free from any objectionable bias or peculiarities of a political or religious nature; while it is conducted in the spirit of a sound christian morality and of an enlightened patriotism. We regard the extensive diffusion of a cheap and wholesome literature among the great body of the people, as one of the greatest blessings a nation can enjoy. The *Herald* is neatly printed, and published in weekly numbers, by Mr. Fletcher, Bookseller, of this City, at the very low price of *one dollar* per annum.