

the stake, the roots toward the centre, and cap with some material that will keep off the wet.

Another mode, and a very convenient one, is to cut crotched sticks, about two feet below the crotch, and four and one-half feet above, sharpening the lower end, which should be driven securely into the soil. The crotches should not be abrupt, but taper gradually and be strong. Upon these stack the beans in layers, head and root alternating, then bind across from the tops of the stack. These can be protected from rain by any slight covering, and as the stack is elevated and the straw drooping, it will soon shed moisture should it become wet.

The analysis given below, by Professor Emmons, of the "White Kidney Bean," and that of Einhoff, of the "Field Bean," will exhibit the amount of nutriment they contain:

	Kidney Bean. Emmons.	Field Bean. Einhoff.
Starch.....	36.74	50.1
Legumen.....	18.60	
Albumen and Caseine.....	9.92	11.7
Fibre.....	15.42	
Sugar and Extract.....	7.20	8.2
Water.....	13.25	15.6
Husk.....		10.0
Loss.....		4.4
Total.....	101.13	100.00

The bean is not an exhausting crop, but possessing a large leaf system, derives a considerable portion of its subsistence from the atmosphere. With clean and careful culture the soil, instead of being impoverished by a crop of this nature, will be left in the best possible condition for subsequent productions.

TRANSACTIONS OF THE BOARD OF AGRICULTURE, 1856-57.

Two sheets of the "Transactions" will be found to accompany the April number of the *Agriculturist*. Each subscriber to this Journal will be supplied with the remaining sheets as they are published, until the Volume for 1857 is completed. We cannot state the number of pages the Volume will comprise—probably not less than 350. The page is not quite so large as the *Agriculturist*; but as the paper has a larger margin, there will be no difficulty in binding the two works together at the end of the year. The *Transactions* not being of a miscellaneous or serial character, each sheet will contain the whole or part of an Essay, Report, &c., as the case may be—the subject being continued in the next sheet. The successive sheets should be carefully preserved till the end of the year, when they may be stitched or bound together.

The Volume begins, as our readers will observe, with a Prize Essay on the Agricultural Resources, &c., of the County of Simcoe. It is unquestionably the fullest and most reliable account of this new and important County that has yet been published. When each County of the Province has been treated in a similar manner—and the annual Prizes of the Board seem well calculated to draw out the information—we shall have the materials for compiling a fuller, more reliable and more valuable history of the industrial resources and agricultural capabilities of the Province, than it is possible to obtain by any other means.

We hope the readers of the *Agriculturist* will respond to our efforts to diffuse valuable information, by inducing their neighbours to send along their *half-dollars*. Surely we are giving more than value for the money this year.

BRAIN OF THE HORSE.—Dr. Dadd, Veterinary Surgeon of Boston, and Editor of the *American Veterinary Journal*, has sent us a large and well executed lithograph, representing two views of the Brain of the Horse: one exhibiting the "Arteries at the base of the Brain," coloured the other the "Base of the Brain, showing its nerves." The Price of the lithograph is \$2. A copy may be seen at the office of the *Agriculturist*.

We observe that in the list of "Exchanges" published in the *Veterinary Journal*, the subscription price of the *Agriculturist* is set down at *two dollars per annum*, just four times too much!

FRESH SEEDS, &c.—We beg to direct the attention of our readers to Mr. Fleming's advertisement. We know that Mr. F. takes great care in the selection of his seeds; and being well established in his business, orders may be sent to him with confidence.