

They, however, may readily be corrected, and will enable farmers to obtain a close estimation to the money value of manures.

PER TON OF THE INGREDIENTS SHOWN BY ANALYSIS TO BE IN GUANO AND ARTIFICIAL MANURES.\*

.. .. .	£0 0 0
acid ammoniacal nitrogenized	Dependent upon the amount of ammonia which they are capable of yielding.
.. .. .	£0 10 0
.. .. .	56 0 0
.. .. .	7 0 0
.. .. .	25 0 0
.. .. .	1 0 0
.. .. .	20 0 0
.. .. .	1 0 0

.. matters destitute of nitrogen, and .. capable of yielding ammonia by their ..

To assimilate the prices given in the table with the pre-estimated value of bones, guano, and all fertilizing matter, it will be necessary to add one-sixth to the value per of the manure.

ILLUSTRATION OF THE METHOD OF VALUATION DESCRIBED.

A compound lately exposed for sale in the .. of Ireland, and described as a Peruvian .. of superior quality, was founded on ex- .. tation, to consist of the following ingredi- ..

Water	9.94
Organic matter and ammoniacal salts,	22.16*
Alkaline sulphates and chlorides, ..	5.05
Phosphates of lime and magnesia, ..	16.03
Carbonate of lime, .. .. .	9.23
Earthy matters, .. .. .	39.64
	100.00

\* Capable of yielding 3.5 parts Ammonia.

The valuation of the sample, according to the .. described, will show how far it falls below .. fine Peruvian guano, worth from £11 to .. per ton:—

.. .. .	9.84	x	£0 0	£0 0
.. matters, .. .. .	22.16	x	6 10	11 0
.. sulphates and chlo- ..	3.95	x	1 0	3 0
.. .. .	16.08	x	7 0	112 0
.. .. .	9.23	x	0 5	0 0
.. matters (red loam), ..	39.65	x	0 0	0 0
.. .. .	3.5	x	56 0	196 0
			100	322 0
				20
				4.40

Thus taking the proportions of the several .. stituents, shown by analysis to be contained .. the manure, to the farmer, are worth £22, so .. the actual value of the manure is only .. 4s., or at present prices £3 1ds. 8d. per ton.

Analyses of linseed according to Dr. Voelcker:

Water.....	7.50
Oil.....	34.00
Flesh-forming matter.....	24.44
Heat-giving constituents.....	30.73
Inorganic matters (ash).....	3.33

One plant of the wild carrot (*Daucus carota*), .. ing 600 flowers, and 2 seeds to each flower, .. 1,200 seeds.

## Agricultural Intelligence.

### Agricultural Exhibitions this Autumn.

PROVINCIAL AND STATE.

Upper Canada, at Toronto, September 22nd —26th.

Lower Canada, at Sherbrooke, September 17th, 18th, 19th.

New Y. State, at Rochester, September 30 to October 3.

Illinois State, at Peoria, Sept. 30 to Oct. 4.

Ohio, at Cleveland, Sept. 16 to 19.

Vermont, at Rutland, Sept. 9 to 12.

COUNTIES.

Stormont, at Cornwall, Oct. 8th and 9th.

North Simcoe, at Barrie, Oct. 1st.

Brockville, at Brockville, Sept. 18th and 19th.

South Simcoe, at Bradford, Oct. 2nd.

Durham West, at Bowmanville, Oct. 9 and 10.

North Lanark, at Almonte, Sept. 16th.

Russell, at Osborne, Sept. 30.

Peel, at Brampton, Sept. 17th and 18th.

North Leeds & Grenville, at Frankville, Oct. 1.

North Ontario, at Prince Albert, Oct. 7th.

East York, at Markham Village, Oct. 9th.

South Wellington, at Guelph, Oct. 10.

North Wellington, at Fergus, Oct. 14.

South Grenville, at Prescott, Oct. 8th and 9th.

TOWNSHIPS.

Puslinch, at Aberfoyle, Oct. 8th.

Hamilton Township, at Baltimore, Oct. 9.

Barton and Glanford, at Ryckman's Corners, Oct. 2nd.

### The Great Sale of Southdowns at Babraham.

On Wednesday, the 18th inst., a goodly company—though not so numerous as that which met about the same time last year—was gathered at Babraham, to witness the last of those sales which for nearly 40 years have been conducted at that place, and during which time Mr. Jonas Webb has carved out for himself, as a breeder of Southdowns, a name which will last as long any records exist of the history of British agriculture.

Among the company there was a large number of distinguished foreigners, some of whom came not merely to see what had been accomplished by the skill, energy, and perseverance of Mr. Webb, but to secure for themselves some of the beautiful and matchless animals that were to be disposed of. Among these we distinguish by way of pre-eminence, the Marquis Perailas, a Spanish nobleman, who fills the post of chairman of the agricultural jury at the International Exhibition, and whose purchases for the Spanish Government amounted to £570, and M. Fischer of Magdenburgh, who purchased to the extent of £676.

Although this was the last of Mr. Jonas Webb's public sales, and he therefore had no