

so that weight for weight of the thick dreg contains as much nourishment as the turnip.

	<i>Thin dreg</i> one gallon		<i>Thick dreg</i> one gallon	
	per ct.	gr's.	per ct.	gr's.
Potash and Soda, with muriatic and Sulphuric acids	46.24	168	38.36	226
Phosphoric acid, combined in the liquid with some of the above potash and soda	21.67	79	24.35	145
Phosphate of Magnesia and lime	28.88	104	15.90	94
Siliceous matter	2.56	10	20.95	124
Loss	0.65	3	0.44	5
	100.00	364	100.00	594

Alkaline phosphates and silicious matter abound—rendering it a valuable manure for corn and grass. It is given in large towns abundantly to dairy cows as a drink.

Brewers Draff or Grains, are less nutritive than Distillers'—there being an evident deficiency in the protein compounds. It is unnecessary to take up space with a detailed analysis—but we may state that albumen can be obtained cheaper in oil cake—though the draff affords the phosphates more economically. It is best accompanied with oil cake, turnips, or beans.

USE OF COTTON SEED CAKE IN FEEDING CATTLE AND SHEEP.—“A Meath Farmer” writes—Perhaps you would be kind enough through any of your numerous correspondents, to inform me of their experience of cotton-seed cake as food for sheep or cattle. I have lately lost some lambs, and am inclined to attribute their deaths to the use of the article in question. They were supplied with it in very small quantities, mixed with cracked oats and mill seeds. After death the large stomach was found to be full of food, and scarcely any in the lesser, where, after ruminating, the food ought to be; neither was there as much food in the smaller intestines as is generally to be found there. Has cotton-seed cake been properly analyzed and reported on? I strongly suspect it does harm.”—Cotton seed cake has not been long in use for feeding cattle and sheep, and the experience of it has been very limited till within the last year or so, when it seems to have been more generally experimented on, the reports on which have not been yet made generally public. There is a report on its use by Mr. Peter M'Laren, published in the 45th number of the “Transactions of the Highland and Agricultural Society,” which also gives a comparative analysis of the cotton seed cake and linseed cake, by Doctor Anderson, published in the above journal some time previously, which is as follows:—

	Cotton-seed Cake.		Linseed Cake.
Water	11.19	..	12.44
Oil	9.50	..	12.79
Albuminous compounds	25.16	..	27.69
Ash	5.63	..	6.13
Other constituents	48.93	..	40.95
	100.00		100.00