sure for half an hour; at this time the cuid is broken a little by the hand, and thrown upon a lead cooler, until it is brought down to the desired temperature. The after management of the cheese resembles that of the Cheshire. A little salt, 1½ lbs. per cwt., or thereabouts, is added to the crumbled curd, and it is mingled

and broken by the curd mill. The striking circumstance connected with all these methods of making cheese is that neither in the curd, nor the butter, if any, one in the bacon made by the consumption of the whey are all the contents of the milk, according to the analysis of the chemist, returned to the farmer. Mr. Harrison, of Frocester Court, Gloucestershire, has thus called attention to this important fact :-- "The quantity of bacon fatted from the whey shows that there must be an immense quantity of valuable food left in it. even allowing the whey to be worth £2 per cow, this is no half of what its contents would be worth could they be extracted and prepared in the form of cheese and butter for human food. There is here a broad margin for experimental inquiry and improvement. On this point I have worked out the following from the records of our dairy. I take a single year, when the yield of milk was 31,700 gallons, weighing 321,-000 lbs., and containing therein, by analysis, 12,480 lbs. of casein, and 11,556 lbs. of butter; now the dairy produce was of cheese 25,424 lbs., and of butter 3466 lbs.; and these contained, by analysis, 9765 lbs. of casem, and 8,366 lbs. of butter; leaving 2715 lbs of casein, or 22 per cent., and 3190 lbs. of butter, or 27.6 per cent. unaccounted for.

"Such a calculation is of course only approximate. For instance, instead of taking the double Gloucester analysis for the cheese that was made, it would have been more correct to take the Cheddar analysis, as we eneavoured to make the cheese much richer than in the former years. This would reduce considerably the

large apparent loss of butter.

"The chief point is to see clearly that there is an enormous quantity of casein and butter which we do not extract from the milk. Can no means be devised for extracting them more thoroughly? I have no doubt the application of heat on the Cheddar system will do much, but a maker of this cheese was astonished to see the quantity of curd that resulted from boiling a small quantity of his clear-looking whey. I believe that the loss results from the system of minutely dividing the curd after it is set, and that it comprises some of the richest of the casein and batter. It is well known how much a successful result depends upon the gentleness with which this operation is performed."

The enormous loss which analysis indicates in the case of Mr. Harrison's dairy is probably, as he says, beyond the truth; but the truth itself must be bad enough; and the subject is one which much needs investigation by the agricultural chemist. It is satisfactory, therefore, learn that Dr. Voelcker, the chemist of Agricultural Society of England, has been some months engaged upon it. He gave main results of his research in a recently in Hanover square, and we look with great terest to its appearance in the next number the Society's Journal.

Veterinary.

Epidemic among Dairy Stock in Britis

(From the Mark Lane Express, Feb. 234

The new number of The Veterinarian February that is, has the following are other Facts and Observations of the momentum During the past few weeks Ecc Epizootica has prevailed to a very sense tent in the dairies of the metropolis and the rounding districts. Many cows have died of far greater number have been disposed great reduction of price, in consequence of coming affected with mammitis, ulcerated the feet, &c., as sequelue of the malady. purveyors of milk have been put to the generation of the distribution of the sense of the malady. The sense of the malady to the sense of the malady the sense of the sense of the malady the sense of the malady the sense of the sense of the malady the sense of the sense of the sense of the malady the sense of the sen

Significantly enough Mr. John Games, Principal of the New Veterinary College Edinburgh, has just taken up the sames, On only Wednesday last he delivered an lecture in Edinburgh on the present tra unwholesome meat and milk, a full repa which is given in the Edinburgh Veten The Northern h. Review for this month. sor is able personally to corroborate the ... ing character of the cattle disease as it is raging in the dairies of the metropolis: have recently visited London, where the plaints amongst the cow-keepers are ten. Few I am told, are paying their way; some, be thriving, but entirely by the systen of a diseased cows to the butchers, or by keeper few cows, and 'drawing in' their cows, and 'drawing from the a By this is meant purchasing from the a. who receive largely from the country. In to one of these dealers; and disease a amongst the cows to such an extent, the said, although nothing can be more prothan cow-keeping if the cows retain their we now lose seriously, and keep up our the buying from all sources. Constantly, the out London, have the lung and aphthon existed for many years past; they preval ly now, and about a month ago, epizootica broke out; it has spread north, and is a present time in Edinburgh."

It is satisfactory to see the Profesion to the evil now so alarmingly on the incress;