phoric acid, as well as the greater portion of the solu- more bone-dust. In purchasing guano you are very ble silicia, and all the ammonia, (which is quite solu- likely to be taken in, unless you are very cautious. I ble), and all the nitrogen compounds which decom- have known some of the dealers to adulterate it to pose into ammonia. In short, at the most moderate the extent of 34 per cent. When you want to buy do computation, one-third of the manure is washed away not go to the dealers at all. Unless satisfied of their and utterly lost (Hear, hear). The farmer in many probity, but go directly to a respectable importer, cases, loses as much as half his rent by allowing the and then you will not be cheated. There is another of the manure. These soluble portions of manure guano by itself. I told you that guano contains only are most easily taken away, and therefore they ought to be taken most care of; yet, acording to the general practice, they are allowed to run away, as if they are cent. of potash; now the ashes of the way, are most easily taken away, as if they are allowed to run away, as if they are cent. of this substance. Consequently if you they were of no value. I wish to say, not only to the use guano constantly and by itself, you would improve the landled the three forces another tains the landled the same to the same that it is the same to the same three forces another tains the landled the same table to apply the same table t farmer, but to the landlord also, that the constructions poverish the land; therefore, always put with it either of farm-buildings is a matter of the greatest importance to both. For those very substances which you allow, to be washed away, you have to supply either by the purchase of guano, oilcake, London dung, or them is one of the greatest points next to being chesome other substance. Mr. Warnes, of Trimmingham mist enough to know the exact and proper quantities, in Norfolk, has adopted an excellent plan for preserv- Put farm-yard dung with it one year, lime another, ing his manures; he has sheds, constructed in the and nitrate of soda another; changing each year, so yards, open on one side only, in which the cattle stand as gradually to work the whole of the farm into the with their heads turned towards the rack or manger, same state. It is very desirable to equalise the state and their tails towards the open yard; each beast of your farm all round; there are very few who have stands in a sort of box (without being tethered), sunk their farms of equal quality throughout. But the best about one foot deep into the ground; the bottom is way to attain this is to make frequent changes of covered with straw; and as the boxes get full, the ma- your manures. Another very good manure is comnure is carried away and nothing is lost; all the liquid mon salt; it is exceedingly valuable in many cases, esportions of the manure, gets absorbed in the more sopecially where the land is sheltered from the sea. I portions of the manure, gets absorbed in the more so-lid parts, and the cattle are kept admirably clean. I know a gentleman residing near Guildford who has apwent into these sheds myself, examined the cattle, plied as much as 4 cwts per acre of salt to his land, and found that their hoofs were perfectly clean; in and says it is the cheapest manure he ever uses; it fact I do not think there is a better practical plan makes the astraw beautiful yellow; now nature disseadopted than that of this gentleman. He some minates salt to a great extent; and you ought to help time since published many letters on "Box feeding," nature in circumstances when there may be any thing and he has just published a work, "On the cultivation to impede this operation. I have known all the winof Flax," which I can highly recommend. (A gendows and trees in a town to be covered over with a of Flax," which I can highly recommend. (A gen-dows and trees in a town to be covered over with a tleman here asked Mr. Nesbit, whether he did not thick incrustation of salt after a storm, when the wind think flax growing injurious to the land). Mr. Nesbit replied: I do not think it is; and I know that is Professor Kane's opinion also. By Mr. Warnes' method, all you want is a box for each beast, two feet sited. In conclusion, gentlemen, I beg to say that deep, with a composed bottom, and you then lose nothing. Nothing goes away, because there is nothing feetly before you (No no). If however, I shall have to wash it away. The straw absorbs all the liquid, for scattered a new thought here and there, and conveyed straw, bear in mind, will absorb its own weight of fluid any information which may be turned to account, I Having now come to the end of my remarks, I beg to say that I shall be happy to hear gentlemen present, here this evening (cheers)
put as many questions as they please; and it will afford

J. A. Gordon, Esq.: I think, gentlemen, you will all put as many questions as they please; and it will afford me great pleasure to answer them (cheers). I always think myself, that the little discussions which follow the lecture are the best part of the business; because that we have also derived from it a considerable amount matters are suggested by different minds which might of instruction, (cheers). I therefore beg to propose never occur to the lecturer on a subject embracing so that the thanks of this meeting be accorded to that wide a field (Hear, hear). Before I sit down, how-gentleman, (renewed cheers). ever, I will say a word or two upon Guano. The value of Guano depends principally upon the presence in seconding that motion. of bonedust and ammonia; as to potash, it never contains more than from 23 to 4 per cent. of that; this carried by acclamation. guano is the excrement of sea fowls, which feed upon fish. You know of how much importance sprats and You know of how much importance sprats and other fish are in the manuring of land, simply because they supply bone dust and ammonia; and in this respect Guano is a very important manure. But I want the farmer to save manure for himself. It is of no use to go and spend two hundred a year, on guano, and Mr. Pope: When I have applied Guano, I have gethen let the best part of your manure run out of the nerally also applied nitrate of soda or potash about yard. I do not think there are a hundred farms that three weeks afterwards. would not be benefited by the application of new manure. This sample of the best Peruvian Guano which is now before me contains 20 per cent of ammonia, ens, I will suggest, that if you will not follow the plan and 20 per cent of bone dust; this other sample of which I have described to you, adopted by Mr. Warnes,

salt-petre, or mitrate of soda, wood ashes, or other bodies of the same composition. Make it a rule always to mix your manures. The mere fact of mixing was blowing in from the sea; and in some cases salt will travel in the atmosphere as much as one hundred and fifty miles from the ocean before it is deposhall feel the greatest satisfaction in having met you

agree with me when I say that we have heard Mr. Nesbit's admirable lecture with great pleasure, and

WILLIAM JENNE Esq: I have very great pleasure

The thanks of the Association were immediately

MR. NESBIT: Gentlemen, I beg to return you my best thanks for the warm and handsome manner in which you have expressed your approbation of my imperfect efforts. I can only say that I am quite at your command, and I trust I shall have a perfect

shower of questions (cheers).

Mr. Pope: When I have applied Guano, I have ge-

Mr. NESBIT: that is a very good plan. With regard to arresting the loss of ammonia from your mixens, I will suggest, that if you will not follow the plan Ichaboe guano, about 12 per cent. of ammonia, and of Trimmingham, that you should make them in this