Rot in Sheep.—I thank "N. D. D." for noticing what | germinated, and produced thriving plants. Again, many | seed, the ground might as well bear a crop of Corn, and sheeps' liver, or, in other words, the cause of the dis- birth, and disseminated over the fields; for instance, the ground all winter, I propose to try the effect of covering of the fluke and sandore is very interesting; but, may what resembling those of a bat, by which they are often taken up, and digging in the short dung. In such case, a I be allowed to make a few remarks on one or two of his conveyed to a considerable distance in high winds; others dressing of guano would be saved for the Mangold the fluke, which is said to cause the rot in sheep, are able to take advantage of the slightest breeze for might arise from spontaneous generation, and "that shifting their position. It is proper that all Grass-fields, it has never been found out of the sheep's liver or that of hedge-rows, and waste ground, be kept perfectly free from other animals." As regards the latter, there must be unprofitable herbage. The negligence which occurs in a mistake, for he quotes from Cuvier that the "fluke this respect in many places, is often the cause of the has been found in the eye of man." A friend of mine, foul state in which neighbouring lands are to be seen. who has had much experience in the disease in sheep, Pastures are sometimes so closely overrun with weeds, told me he has often found the fluke in sheep's gall. | that the cattle can scarcely pick up a mouthful of pure As to spontaneous generation, it is a term often applied herbage, and the vegetable food applied, which should when a thing cannot be traced to its proper origin. I mentioned a plant called the Rot-weed, which is blamed | weeds .- J. McI., Hillsborough. for causing the rot in sheep, and observed that they might eat the plant containing eggs, or larvæ of insects frequently put to considerable inconvenience by the vawhich produced the animal found in their liver; but it appears that is wrong, for "N. D. D." mentions that nate the sorts which they may require. It is this incon- on the Discrimination of Soils, had presented his Essay the fluke and sandore are not produced from insects-"they are perfect animals forming a genus of the second class of the radiated animals." May not wet food encourage the growth of the fluke, and, as " N. D. D." observes, render them "dropsical and finally kill them?" -J. Wighton.

Manures, and Steeping Seeds .- Some of your readers may be amused at the style, as well as at the matter of the following quotations from "The Curiosities of Nature and Art in Husbandry and Gardening," published in 1707. They show that the value of the inorganic dung. A field may be sown every year, if we restore may grow.] to it by stercoration what we take from it in the harvest." . . . " Seeing all multiplication depends on salts, the main business is to get together a great quantity at little expense, that the profit may be the greater." The author then describes a method of making liquid manure, in three old casks, into which objects are separately thrown, according to the ease with which they decompose. He further urges the importance of burning all wild plants, and of carefully dissolving the soluble parts of spade-grafts high, breaking them as little as possible; graduation of scale under the strain of given successive their ashes, and then proceeds- Take as many pounds of saltpetre or nitre as you have acres of land to sow. For each acre dissolve a pound of saltpetre in twelve for the bank, so that, from the top of the bank to the ters having been completed for the trial, was now forpints of the water that sanks from the dunghill. When bottom of the ditch, shall be one sloping line; let the warded to the Society, with printed instructions for its the saltpetre is quite melted, throw in a little of those sods of the second spade-graft be placed on the top of use. The Dynamometer sent by Mr. Clyburn, would resalts of plants (i. e. ashes) according to the quantity you have of them. This liquor is then called the 'Universal bricks in a wall, the joining between two sods above action being self-recording, was different from that of Matter,' because nitre is truly the universal spirit of the elementary world. This is the main point of the whole secret of multiplication. We will for the future call the water that is got ready in the casks, Prepared Water, and the water from which the salts are extracted from plants, and the nitre, Universal Matter. For one acre, other. Then take the straggling Furze, stubbed for the ruled surface: the average amount of draught being obtake twelve pints of the prepared water, and mix with it immediately the universal matter, in which there ought to be a pound of dissolved nitre. The vessel into which you put these liquors must be large enough to contain stake. Over all this wind the longest Blackthorns, and had also been duly forwarded for the trial. This instruthe corn which you design for one acre. Then strew in the fence will be sufficiently strong without binders.— ment in its original form is described and figured in Mr. your corn into these liquors; there must be two inches | W. H., Reading. of water above the seed. Leave the corn to soak for twelve hours, and stir it up and down every two. If by that time it do not swell, let it lie longer till it begin to you on the best plan of cultivating a small plot of land, Mr. Slaney having informed the Council that he had plump up considerably. One third less of seed than so as to keep the greatest quantity of stock, I hope it tried a very simple and cheap Dynamometer, made by usual will serve for an acre; nay, you may safely use but half as much, and mingle among it some straw cut very plan I follow on a field of 4½ acres. The land is results, the Council agreed to recommend the purchase small, that the sower may take it up by handfuls and good, being a free light soil, on a chalky bottom. Of of this instrument, at the next monthly meeting, for the sow it in the ordinary way, as I have said already." The course I have not neglected Lucerne, but have devoted purpose of adding it to the others for trial. The Council explanation the author offers of the use of soaking seeds one half acre to this, sowing it in drills 9 inches apart, resolved, that, as much time and care would be required is whimsical. He says that the first action is to "cut and hoed each time of mowing, which I am able to do for the proposed investigation into the practical merits of the covers that infold the sprouts," and that the second five times in the season. The remaining 4 acres I divide these instruments, and the estimate of their relative value action is "to serve each grain of corn, as it were, into four equal parts, and cultivate as follows:—To make accordingly, the trial should be postponed until the instead of a loadstone, to attract the nitre of the earth, my plan clear, however, I must begin my rotation where autumn of the present year. notion."-C. Darwin.

vigorous nature than the plants which require the care of vigorous nature than the plants which require the care of his fostering hand and are ant to gain the superiority and plentiful crop, chiefly Rye-grass; this is either history of the rat, as found in different countries of Europe, his fostering hand, and are apt to gain the superiority, mown for stock, or for Hay; and on the half first cleared he had arrived at a complete knowledge of the sagacity, and appropriate to themselves vegetable aliment not in and appropriate to themselves vegetable aliment not in-tended for them. Hence it is of the greatest importance. I plant Potatoes, without dung, on the other I sow nature, and peculiar habits of that destructive animal, tended for them. Hence it is of the greatest importance Swedish Turnips, which have a dressing of guano; the and of the preparations applicable, under all the circumticable, the growth of every kind of vegetable, except those which he cultivates. The number of plants known or perennial; the first two die the first or second work or perennial; the first two die the first or second year, Carrots, with dung. This forms my preparation for their practical value, and of entering afterwards into any pagated by their seeds; the latter are not only multiplied by their seeds, but also by their roots, which remain inactive during winter, and put forth new plants in spring. The seeds of some plants germinate as soon as they get moisture, although they are not in immediate recommend, on one half of the Wheat-stubble, another at Buckingham Palace and Gardens, Windsor Castle, and Newgate, contact with the soil; others, again, do not succeed unless they adhere to some kind of earthy substance, their superiority over Clover and Rye-grass as an Macclesfield Workhouse, and at various other public and and enjoy the reviving influence of the atmosphere. and enjoy the reviving influence of the atmosphere. Many seeds, however-even those of the most diminutive size—will remain inactive for a long series of years, and vegetate afterwards, i. e. as soon as any accident has resident has resident

I said respecting the rot in sheep. By what he says at seeds are accommodated with some kind of wing or stock would relish straw quite as much. As it seems a p. 323, little is known as to how the fluke gets into feather, by which they are conveyed from their place of general opinion that Potatoes do best when left in the ease. What "N. D. D." has related about the origin | seeds of the Dock tribe have little wings, someobservations? He almost hints that the animal called are furnished with still better means of travelling, and Wurzel which follows .- Senex. nourish wholesome pasture, is consumed by useless

Turnips.—I am a dealer in Turnip seeds, and am rious names by which my customers are pleased to desig- as the author of one of the highly-commended Essays venience, with the view of obviating the same, for the lot the Society for whatever use the Journal Committee benefit of myself and others similarly situated, that has might think proper to make of it, in promoting the prompted me to trouble you with the annexed list of objects of the Society. names, trusting that you or some one of your numerous correspondents will furnish, in an early Number of your into by the authorities of Shrewsbury with the Secretary valuable Paper, a descriptive list with definite names of the Society, in reference to the condition of the reso-(other names being considered as synonymous) of the different varieties; which may be a means of preventing bury as the place of the annual country meeting of 1845, error, to a great extent, both to the seedsman and the were laid before the Council, and having been read were sower .- West Briton. [With this communication came | unanimously adopted. a list of the names of 48 varieties, which we do not now parts of manure, and the advantage of steeping seeds, publish, in the hope that a mere notice of the important of Ducie's iron-works, in Gloucestershire, addressed to were well known at that time. "The whole secret of subject referred to, will succeed in eliciting from our multiplication consists in the right use of salts. Salt, farming correspondents descriptions of the appearance says Palissy, is the principal substance and virtue of and merits, with the names of the different varieties they the Judges of Implements, at the Derby meeting, in the

cheap and expeditious manner, a fence to inclose ground, with a request that after the successive trials they had I have observed adopted in this neighbourhood :- First, each made of the Dynamometers sent to them, they take some sapling Oak poles, about five or six yards | would report to the Council their respective merits when long, cut them into lengths of something more than a applied to the draught of agricultural implements; the yard, and cleave the thickest part into four, and the instruments being submitted in the first instance to Mr. middle into three, to produce stakes. Dig a trench two | Parkes, the consulting engineer of the Society, for the spade-grafts deep, and make a bank with the sods, of two purpose of having their mechanical adjustments, and cut the sods sloping, not perpendicular to the surface of | weights, duly ascertained previously to the trial. Mr. the ground, and lay them sloping in the same direction | Clyburn stated that one of his self-recording Dynamomethose of the first, but let the joinings be like those of | cord a strain of draught up to 12 cwt. Its principle of over the middle of the sod below, and let all the earth of other Dynamometers, the box containing the instrument the second spade-graft be thrown so as to back the fence. being supported on wheels, which communicated, by their Drive the stakes, well pointed, through the sods of the axil, a progressive revolution to the recording cylinder upper layer, and considerably into those of the under within it as the draught proceeded, and its registration layer, at about the distance of half a yard from each was made continuously by the pencil moving over its purpose, and thrust the heads of them very forward into tained by inspection of the indications thus obtained of the face of the bank, contriving that the two main the mometary variations during any given time and branches of the Furze shall be one on each side of the space. The Dynamometer of Messrs. Cottam and Hallen

ents in your last, that some questions have been put to his paper on the Draught of Ploughs (Journal, i. 219). will not be thought out of place if I detail to you the Messrs. Drummond, of Stirling, with very satisfactory most rotations end, viz., with Wheat. Say, then, that I DESTRUCTION OF RATS.—Captain Forbes, R. N.,

them up with stable litter, raking off the long straw when

ROYAL AGRICULTURAL SOCIETY OF ENGLAND. [Report of Proceedings of the Weekly Councils of May 15 and 29, concluded.]

THE Right Hon. Earl Spencer, President, in the chair. PRIZE Essays .- Mr. Pusey, M.P., Chairman of the Journal Committee, reported to the Council the unanimous decision of the Judges, in assigning the Society's Prize of 50%. for the best Essay on the Agriculture of Cheshire to Mr. Wm. Palin, of Stapleford Hall, near Chester; and the liberality of Mr. John Arkell, of Hollow Farm, near Gloucester, who, in announcing himself

SHREWSBURY MEETING .- The stipulations entered lution at the last Monthly Council, deciding on Shrews-

DYNAMOMETER .- Mr. Clyburn, director of the Earl the Council a letter on the subject of the trial of Dynamometers recommended by the Council, on the report of autumn of last year, to be entrusted to the Duke of Fencing.—The following method of making, in a very Richmond, the Hon. Capt. Spencer, and Mr. Jaques, Handley's paper on Wheel and Swing Ploughs, (Journal, Small Farms.—Seeing by your answers to correspond- i. 143), and its improvements detailed by Mr. Pusey in

the air for the nourishment of vegetables and of animals have my field well prepared for Wheat; this grain is having called the attention of the Council to the damage This is not a rain imagination a chimers or empty accordingly sown in drills, with very little seed, and in and loss sustained by farmers, in consequence of the the following spring has Clover and Rye-grass harrowed ravages effected by the common rat and other injurious in with it; next year these are mown three times, and animals, Mr. Meyer addressed a letter to the Council on Agricultural Weeds.—It must be well known to every after the last mowing I give a good top-dressing of well- this subject. He stated, that having for the last twelve Potatoes are planted from the 1st to the 20th of May, stances, which would lead to its entire extirpation. He and the Swedes are in the ground in the same month. proposed to the Council, that various farms infested with The following year the Potatoes are succeeded by Man- rats should be selected for the trial of these preparations, Wheat, as before alluded to, and I do not know that I general arrangement with the Society or its members. He could raise a greater quantity of more valuable produce had already extensive contracts with the principal West for the feeding of stock by any other plan; it is also as Indiamerchants for cleansing their estates and plantations. little expensive as possible, three diggings only in four He referred to the certificates then submitted to the Counyears being required. If I introduce Tares, as you cil, in evidence of the successful result of his proceedings digging is required, and though I am not insensible to Frogmore Lodge, at the Mansion House, Newgate, improving crop, I think it is much overbalanced by the private establishments in this country; and to those extra digging and the price of the seed. I have also a strong given to him by the officers of the Royal Households of much liked by horses, and on no green crop whatever will Denmark.—Colonel Challoner stated that, having replaced them in a favourable situation; seeds which have they do so much work: I mean this, however, to apply ceived from the Hon. Mr. Murray and other parties content been proved to be not less than 1800 years old have to it in its analysis. been proved to be not less than 1800 years old have to it in its early growth; when it gets old, and ripens its nected with Her Majesty's Household, the most undeni-