Mr. Attention replied that he had not.

late, would put on a little more seed than if sowing early. Something depended on the time of sowing, and also on the variety of wheat sown.

JOHN PRAIT said the first part of Mr. Aitchison's remarks he hardly understood; perhaps he meant fall wheat land. He would on land in medium condition; on thought one ploughing for fall wheat might approve of cultivating lengthwise the furrows; by doing so the ground would not be besides, land cultivated better, more equally, across the furrows and ridges; thought that land for spring wheat, that had been in peas or other crops, should be ploughed as soon after harvest as posssible, then harrowed well, and ridged up neatly before winter He did not approve of "cutting and covering" at all; thought it did not expose the land equally enough to the air; that the seeds would not spring and grow equally, some being covered up too deep for growing; would cultivate across the furrows in the spring before sowing With regard to the quantity of seed, would be guided somewhat by the state of the land; if the land was rather soft, would put on a little more seed-as the horses, while harrowing, then tramped down some seed too deep for growing. Would sow from a bushel and a half to a bushel and three pecks to the acre; had never tried it, but thought drilling would be better than broadcast. The seed would cover better with a drill. His experience had been chiefly with Fife wheat.

ALEXANDER McDonald said that in the preparation of land for Spring wheat he differed from Mr. Aitchison altogether. He would take green sod, either pasture land or land that a crop of hay had been taken from; would plough it as lightly as possible—say not more than three inches deep, let it lie for ten days or so, then roll lengthwise of the furrows; then, if the weeds came up, he would harrow well, as trequently as he could, or as was required to kill the weeds; would ridge up the land well in the fall, and cultivate in the spring across the furrows, and not too deep, as wheat liked a firm surface r would just raise enough of mould to cove; the seed nicely; thought the first object in preparing land for wheat was to get it clean, and in good heart, either by manuring or by ploughing down clover, say to plough down the second crop of clover; would not grow whea after barley in any case; would not sow two grain crops in succession; after peas would plough lightly, as soon as possible after harvest; thought the land was drawing nourishment from the air as soon as it was turned up. Another object was to kill the weeds and the seeds of the weeds; would like to kill at least two crops of weeds in the fall; if he was going to apply manure, would horses than those in common use among our rived at.

prefer to do so before the first ploughing; farmers, or a team of three, would be re-Mr. Belleter agreed with all the opening would ridge up the land in the fall, and cul- quired to work these new implements. The speaker had said about thin sowing, was an tivate in the spring; as he said before, he correspondent who sends us the account readvocate of thin sowing, when sowing rather thought the firmer he got the ground the marks that he was one of a committee who better the crop of wheat With regard to tested the draughts of ploughs at the Provinthe quantity of seed, would consider the cial Exhibition some years ago at Hamilton, state of his land; on land in good heart, where, out of nineteen ploughs tried, the would sow from a bushel and a quarter to a heaviest draught was nearly 100 lbs less than bushel and a half; would sow less seed on the lightest draught of the double ploughs very rich land and on very poor land than he given above. rich land wheat stoled out more, and was ant Agricultural Statistics of Great Britain do, but not for spring wheat. He did not to grow soft in the straw and lie down if thick; and on poor land there was not nourishment for so many plants. On medium land under cultivation in the United Kingin a good state for cutting with a machine; soils, club wheat early sown would sow 14 dom of Great Britain. During 1870, the bushels; of Fife wheat, would sow from 1, number was increased to 46,177,370 acres, to 2 bushels an acre. On our front land he distributed as follows :- In England, Scotpreferred late sowing-not sooner than the land, and Wales, 30,407,579 acres; Ireland, 10th of May. Three years ago he sowed, 15,652,578; and in the Channel Islands, some wheat on the first of April, and thrashed 117,213 acres. There were 11,755,053 acres from that five bushels an acre, the same devoted to corn crops, including beans and year sowed the rest of his wheat (on no bet- peas, of which 9,548,041 were in England, ter land) on the 18th of May, and thrashed Scotland, and Wales, 2,173,103 in Ireland, from that 21 to 30 bushels an acre. His and 33,903 in the islands. The amount of early sown wheat was almost all takin by land devoted to wheat in England, Scotland, the acceu.

> that had been elected. His own opinion on ply. At the end of the year, the total num for his land. Bis practice had been to sow two bushels of seed to the acre on all his Until within the last few years he could not believe that the better the land the less seed was required, as old farmers, his neighbours had told him; but he had now found it was so. He had found, too, that it did not do well to sow poor land too thick.

Ploughing Match and Double Furrow Ploughs.

A Carlisle (England) paper gives an ac-

count of another important trial of Double Furrow Ploughs, which took place at Kirkbythore. The principal English makers, as well as local manufacturers, were represented, and the trial gave much satisfaction to a large concourse of spectators. The following is a statement of the respective draughts of the double furrow ploughs .-Mr. J. Stalker's (2nd prize) Mr. J. Stalker's Messrs. Ransome, Sims & Head, 14st 2-10ths Messrs. J. & F. Howard's 45st Mr. J. Murray's 45st 4-10ths Messrs. J. & F. Howard's (prize) 46st 2-10ths

In 1869, there were 36,100,153 acres of and Wales, was about 200,000 acres less than The Pressident (Peter Sidey) congratulated in 1509, which represented an estimated dimithe members on the interesting lie used n nation of 700,000 quarters in the home supthe subject was - that the quantity of seed ber of each kind of live stock in the United required depended altogether on the state of Kingdom was. Horses, about 2,530,000, of the soil and the season. Some years rather, which England, Scotland and Wales posthick sowing did best; other years thin sessed about 2,050,000, and Ireland 530,000, sowing. The farmer had just to use his cattle, 9,235,000, of which 5,403,000 were in judgment as to the proper quantity of seed England, Scotland, Wales, and 3,796,600 in Ireland; sheep, 32,786,000, of which the number in England, Scotland and Wales was 28,397,000, and in Ireland 4,333,000; and pigs, 3,650,000, of which England, Scotland and Wales had 2,171,000, and Ireland 1,549,000. During the year there was an increase of 159,000 in the number of cattle.

The Mark Lane Express, in its remarks upon the returns of 1870, says :- "The growth of the mangold is gradually but certainly increasing both in England and Ireland, as kohl-rabi is a'so coming more into use, while the cabbage is still but an excep tional crop on the farm, making but little way saving in certain districts, or more properly perhaps with a few individual growers. Beet-root, of which Professor Voelcker has of late become so earnest an advocate, gains but slowly on the public mind, and the whole country last year gave up but four thousand acres or so to its cultivation. If, however, they can manufacture . 43st 8 10ths from it as good brandy as that sent out as a sample from Buscot, it would surely pay to do more in this direction. So far real British brandy has but a bad name, but if we can succeed in making sugar we might hope to do something also with spirit. The re-This seems to indicate that either heavier proximate estimate must be very easily ar-