We see by the last mail, that the disease has appeared throughout the British Isles in the new sults might be obtained."

Mr. Olive then introduced Mr. Mound to the Prohas maintained a fair price for the last twelve months. There is something manifestly wrong in our system of husbandry, because the price of meat and dairy produce is much higher in proportion than the food upon which neat cattle and the source of the autumn and the source of the autumn that the chemical nature of the produce of the price of the last twelve the price of protection than the food upon which neat cattle and the source of the autumn than the food upon which neat cattle and the source of the autumn than the food upon which neat cattle and the source of the autumn than the food upon which neat cattle and the source of the autumn than the food upon which neat cattle and the source of the autumn than the food upon which neat cattle and the source of the autumn than the food upon which neat cattle and the source of the autumn than the food upon which neat cattle and the source of the autumn than the food upon which neat cattle and the source of the autumn than the source of the autumn than the chemical nature of the grain may be obtained, but that the chemical nature of the grain may be favourably influenced for any given pure pose required.

The President, on the part of the Council, having the expressed to Mr. Maund the thanks which the Council, on the motion of the Daile of Richmond, is attention in submitting to them his interesting and the source of the portion than the food upon which neat cattle and the Journal Committee, in the course of the autumn, sheep are fed, and this ought not to be so un- a detailed statement of his experiments and their reder a well regulated system of farming, particu-sults, including not only a reference to the scientific circumstances of the fact as connected with the laws larly when our cattle and sheep have not been di-of vegetable physiology, or the changes produced in minished by disease. The sooner this dispropor- the chemical constitution of the plant, but also to the tion is remedied the better.

The Apple crop is very difficient this year, iniller and the baker. principally caused by ravages of the caterpillars in spring. There is, however, a large quantity of foreign apples in the market. In conclusion, should the season continue as favorable as it presented to the Council a working model of a machine promises to the middle of September there will low eavities in land, and applying it in a continuous be ample time to harvest all the crops, as the wheat is generally ready now. The season, on the whole, has been one of the most favorable we have ever seen, and we will now have to look out how we shall be able to dispose of our crops irrigation has been practised from time immemorial, to the most advantage.

Côte St. Paul, August 29, 1846.

## HYBRIDIZED WHEAT.

The Hon. R. H. Clive, M. P., laid before the Council a communication with which he had been favoured by Dr. Lindley, in reference to a decisive result obtained by Mr. Maund, of Broomsgrove, Worces- it to the inspection of the members of the Royal Agritershire (the well-known editor of a periodical work entitled the Botanic Garden), by crossing Egyptian cone with an English red wheat, and thus producing a beardless wheat: for "although," as Dr. Lindley observes, "there is not at present any proof of what the bottom as well as at the top; whereas, it is now the quality of this cross may be, yet it shows that corn proved that the lower wheel can be dispensed with is as open to improvement as any other plant; and altogether. The velocity also requisite to impart sufthat I take to be a highly important fact. All such attempts deserve encouragement; and if the Royal
Agricultural Society were to take up this matter in
good earnest, and to offer such prizes as will induce
intelligent men with the necessary leisure and opporrolls and presses upon the ascending side of the belt

Mr. Clive then introduced Mr. Maund to the Precrop of potatoes, so there is no chance of its besident and Council, when that gentleman exhibited ing only a temporary affair. The hay crop has been so abundant this year that it offers every encouragement to farmers to feed cattle at least rent kinds of wheat, for the purpose of producing the to the extent of a full supply for our own mar- artificial fertilization required. Those specimens exhito the extent of a full supply for our own markets. Unless a part of the crops are applied to
this purpose, the prices in market will be low
this purpose, the prices in market will be low
the Egyptian cone and the Oxford red. In the produce of the latter cross some of the cars had awns,
while others were without them. Mr. Maund stated inferior grain is converted into beef and mutton that the new varieties thus obtained in his experiments it may pay the farmer. At all events, it will pay better than selling their raw produce, and incurring the cost of taking to market. The pastures between those of the wheats selected for the occasion have suffered by the late dry weather, and dairy grain may be favourably influenced for any given were the formular that the new varieties thus obtained in his experiments appeared to possess great luxuriance and promise of fertility. He thought it not unlikely that eventually not only any given external character intermediate between those of the wheats selected for the occasion may be obtained, but that the chemical nature of the grain may be favourably influenced for any given were

more homely, but not less important result of the practical value of his products as obtained by the

## WATER-ELEVATOR.

Dr. Spurgin, of Guilford-street, Russell-square, presented to the Council a working model of a machine stream for any required object. Dr. Spurgin, in submitting this invention to the notice of the members, remarks:-" I have long thought it to be very desirable to have a cheap, simple, and efficient machine for raising water only a few feet, for the purposes of irrigation: it is to be expected that in those countries where such contrivances would be resorted to as are most suitable; and, accordingly, we find the circular woollen belt among the number. A few weeks back I heard of the plan which the model I have submitted to you is intended to represent, and which is in use in some private gardens at the Cape of Good Hope. I had this model constructed accordingly for the use of the Polytechnic Institution; and, in order to make the plan more generally known, I thought, by submitting cultural Society, its value for farming and other purpose might be soon ascertained. One of the objections to the revolving belt has been the necessity for its being made to travel around a wheel or cylinder at