

which percolates away only slowly through the clay base. If possible, a tile drain should be laid through the clay base of bunkers and connected to an existing land drain. The drain should fall towards its outlet end and it need not be deep. If set 4 in. below the sub-soil surface at its high end, it would be satisfactory, but it should be covered to the level of the sub-soil surface with porous material, e.g. gravel or hard clinker ash. It is desirable to cover this backfilling with turf placed upside down before the sand is introduced. The turf prevents the sand from being washed into the backfilling material and then down the drain.

Bunkers are regarded as a necessary feature on a golf course, but every effort should be made to keep their number to the minimum due to difficulties of maintenance. Often natural features exist which can form a hazard comparable in effect to a bunker and these should be utilised wherever possible. At the same time, the careful placing of a bunker in association with a natural feature can do much to help make the game of golf more interesting.

**New List available from
Suttons:**

Messrs. Suttons have prepared their 1965 list of grass seed and fertiliser mixtures, together with all the other products which they keep available for golf course maintenance. The book is attractively produced in two colours and with all its illustrations and prices will be a useful addition to the greenkeeper's reference shelf. An article by Mr. R. W. Pain, Manager of the Grass Department, describes the care with which Messrs. Suttons have studied the problems of grass selection over more than one hundred years and a picture showing part of a consignment of 283 cwt. of grass seed for a new golf course near Paris illustrates their world-wide fame and the important contribution which a firm with this experience can make to the export drive. Any greenkeeper requiring a copy of this booklet should write to Suttons Grass Advisory Service, Reading, Berkshire, mentioning this magazine.

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