



## ***Turf Tips from O. J. Noer***

### **Tile Drainage of Fairways**

On some courses a system of tile drains is needed on all fairways. At other places tiling of low-lying fairways and side hills plagued with seepage in times of heavy rainfall may suffice.

A club in Toronto decided to install tile on a low-lying peat fairway because of excessive wetness in spring and after periods of heavy rains during the playing season. The system was installed during a dry period, yet there was running water in the bottom of the trenches. After tiling,



Digging mechanism on the power digger.



Section of Orangeburg type tile showing holes for water entrance.

the fairway dried rapidly, made walking more pleasant. It enabled players to use power driven cars more readily.

A power ditching machine was used to dig the trenches to the established grade. The machine piled the stone alongside the trench.

Orangeburg type tile was laid, rather than burned or glazed clay tile. It was placed with the holes turned toward the bottom of the trench. Then the tile was covered with sand of particle sizes specified by the tile manufacturers. A gravel blanket was superimposed on the sand, followed by soil from alongside the trench.



Gravel blanket on top of sand in foreground, and basal sand cover in distance. Note lateral tile line in middle of photo.