pasture land are taken care of by the greenkeeper. All of our wood, fertilizer, ice, hay, and many miscellaneous articles are made on the grounds. It has often occurred to me that without a system of caring for our tools and equipment the supervision of a place of this size would be impossible for one man. We have three teams on the place belonging to the club, and in the summer time we employ from eighteen to twenty men, in addition to green-weeders. I point out these facts for your consideration in relation to what a greenkeeper thinks of tools and equipment."—EDITORS.)

Sclaffed Tees

MAYNARD M. METCALF, The Orchard Laboratory, Oberlin, Ohio

Wear and tear upon tee and fairway turf is somewhat increased by the well-nigh universal habit of addressing the ground behind the ball instead of addressing the ball itself. The chief cause of sclaffing is, of course, looking up instead of keeping one's head down until after the ball is struck; but an additional cause is inaccurate address, soling the club instead of placing the club-head on the level of the ball when starting the backswing.

Addressing the ground instead of the ball necessitates a vertical correction in the swing, a correction equal in each case to the height to which the ball is teed up. For an unteed ball no such vertical adjustment is needed. For a high-teed ball a vertical adjustment of as much as an inch may be required. On the other hand, if one acquires the habit of addressing the ball instead of the ground there is no vertical adjustment needed at all, whatever the lie, and the swing is simplified to just this extent, all lies being alike to the player.

To the habit of addressing the ground there are also, of course, the additional objections that soling a club is not allowed in a hazard and that soling a club in the fairway, or especially in the rough, sometimes makes the ball move, causing the loss of a stroke.

The general habit of addressing the ground instead of the ball seems in itself rather absurd, complicating the swing and making it just so much more difficult; but the reason for mentioning it in this BULLETIN is the fact that the injury to turf is appreciably greater than it would be if it were the general habit to address the ball instead of the ground back of the ball. The writer can testify from experience that a proper swing after addressing the ball itself is easier and safer than the compensated swing after addressing the ground.

New Member Clubs of the Green Section

Westchester-Biltmore Country Club, Rye, N. Y. Greensburg Country Club, Greensburg, Pa. Catawba Cliffs Golf Club, Catawba Island, Port Clinton, Ohio. Lakeside Country Club, Manitowoc, Wis. Helena Country Club, Helena, Ark. Eshquaguma Club, Biwabik, Minn. Hillcrest Country Club, Sawtelle, Calif. Hamilton Golf and Country Club, Hamilton, Ontario. Christiana Country Club, Elkhart, Ind. Buck Hill Golf Course, Buck Hill Falls, Pa.