

its appearance in the form of a small brown toadstool, the heads being about an inch in diameter. It spreads very rapidly, and through some unknown cause develops in the form of rings. These rings are from four to eight or ten inches wide and from three to eight or ten feet in diameter. The result of this growth is to kill the grass on the fairways where it appears; furthermore, it causes a complete change in the character and texture of the soil. Ground that originally was of a dark, rich loam variety changes to a fine, powdery, gray-colored texture, and this soil loses fertility, and it is almost impossible to reseed and grow grass where these rings have appeared. From our observations the fungous growth thrives as weeds do during periods of continued drought.

"The only effective remedy which we have discovered is to spade up the affected area where the rings have appeared, and as far as possible remove the soil and replace it with good soil, and then reseed. We have tried chemicals, and find that these will stop the progress of the growth but that they affect the soil deleteriously and that it is impossible to grow new grass.

"We now thoroughly water our entire fairway, and there is nothing of a beneficial nature which has been more apparent than this in the complete stoppage and elimination of this fungous growth. For the last two years during which we have watered the fairways, we have had absolutely no recurrence of this trouble. Where these rings had made their appearance in the past and where we had dug them up and replanted and fertilized to some extent, the growth is even more vigorous than on the surrounding area. In fact, on the fairway where this trouble was most acute, the area where these rings formerly developed now stands out plainly with a growth of vigorous new grass. One can see these dark-green circles throughout the fairways where formerly these rings had appeared. We therefore conclude that if they are dug out, reseeded, fertilized, and then watered, the trouble can be corrected."

The fungus can be killed by loosening the soil and soaking it with iron sulfate, using 1 pound to 1½ gallons of water. Bordeaux mixture is equally satisfactory, and to be preferred, as it does little or no injury to the grass.

An article on this same subject has previously appeared in the BULLETIN, Vol. II, 1922, pages 180 to 184.

Some U. S. Golf Association Decisions on the Rules of Golf

In a match play tournament one of the players drove from the tee outside of the disks. His opponent, on playing his ball between the disks, discovered that the other player had driven from outside, and called his attention to it. The opponent immediately drove another ball. The question arises as to what the penalty is for driving outside of the disks. No extra stroke was counted at the time, as it was in doubt. The match, however, hinges on this decision. We should also like to know what the penalty would be where a ball is driven ahead of the disks, but between them.

Decision.—Rule 2 of the Rules of Golf covers both points. A ball not played within the limits of a teeing ground (definition 4) is penalized as follows: In match play the opponent may, if he so desires, recall the stroke. In medal play, the player must play another stroke

within the proper limits, counting the stroke he has already played from outside the limits.

Is there a rule which permits one to loosen a ball which has become embedded in soft mud or earth on the fairway?

Decision.—There is no rule in golf permitting a player to loosen a ball which has become embedded. Situations of this character are covered under Recommendations for Local Rules. It is the duty of the committee in charge to formulate local rules to cover unnatural conditions that interfere with the proper playing of the game.

A player in addressing a ball on the fairway accidentally touched it. It moved up grade four or five inches, and then ran down grade and came to rest in its original position. The ball moved completely over, and we do not believe this should be considered oscillation. Would this entail a stroke penalty?

Decision.—The ball left its original position and is therefore deemed to have moved and must be penalized under the rules.

Greenkeepers' Register.—We shall be glad to list the names of greenkeepers available for employment and refer these names to golf clubs who may have occasion to request them.

All applications from greenkeepers seeking employment must give the age, experience, and names and addresses of references.

QUESTIONS AND ANSWERS

All questions sent to the Green Committee will be answered in a letter to the writer as promptly as possible. The more interesting of these questions, with concise answers, will appear in this column each month. If your experience leads you to disagree with any answer given in this column, it is your privilege and duty to write to the Green Committee.

While most of the answers are of general application, please bear in mind that each recommendation is intended specifically for the locality designated at the end of the question.

1. Quantity of bent stolons necessary for planting a green and a nursery.—We want to get sufficient creeping bent stolons to plant a putting green of 5,000 square feet and a bent nursery of about 10,000 square feet. What quantity of stolons will be necessary for these purposes? (West Virginia.)

ANSWER.—You can figure on the basis that 1 square foot of sod from a creeping bent nursery will furnish sufficient stolons to plant 10 square feet of putting green surface; thus 500 square feet of nursery sod would be required for planting a putting surface of 5,000 square feet. As for your bent nursery, if you plant the stolons in rows 6 feet apart, so that the rows can be cultivated for keeping down weeds and furnishing a better soil bed for the stolons to spread in, 3 square feet of nursery sod will, under ordinary conditions, plant a nursery row 100 feet in length. Your 10,000-square-foot nursery would require 17 of these 100-foot rows, to plant which 50 square feet of nursery sod would be ample.

If, however, you have facilities for giving your nursery especial attention after you plant it, the quantity of nursery sod required to