

STATEMENT OF THE OWNERSHIP, MANAGEMENT, CIRCULATION, ETC., REQUIRED BY THE ACT OF CONGRESS OF AUGUST 24, 1912, OF THE BULLETIN OF THE GREEN SECTION OF THE U. S. GOLF ASSOCIATION, PUBLISHED MONTHLY, AT WASHINGTON, D. C., FOR OCTOBER 1, 1924.

District of Columbia, ss:

Before me, a notary public in and for the District of Columbia, personally appeared W. B. Lydenberg, who having been duly sworn according to law, deposes and says that he is the business manager of the Bulletin of the Green Section of the U. S. Golf Association, and that the following is, to the best of his knowledge and belief, a true statement of the ownership, management, etc., of the aforesaid publication for the date shown in the above caption, required by the Act of August 24, 1912, embodied in section 443, Postal Laws and Regulations, to wit:

1. That the names and addresses of the publisher, editor, managing editor, and business manager are:

Publisher, Green Committee of the U. S. Golf Association, 423 G St., N. W., Washington, D. C.

Editors, C. V. Piper and R. A. Oakley, P. O. Box 313, Pennsylvania Avenue Station, Washington, D. C.

Managing editor: none.

Business Manager, W. B. Lydenberg, P. O. Box 313, Washington, D. C.

2. That the owners are the United States Golf Association, a mutual organization of golf clubs. Pres., W. D. Vanderpool, Newark, N. J.; Vice Pres., R. A. Gardner, Chicago, Ill.; Secy., C. S. Lee, Tuxedo Park, N. Y.; Treas., E. S. Moore, Roslyn, N. Y.

3. That the Association has issued no bonds, stocks, mortgages, or other securities.

(Signed) W. B. Lydenberg, Business Manager.

Sworn to and subscribed before me this 1st day of October, 1924.

(Signed) BERNARD CONNOR.

My commission expires August 6, 1927.

## Mottled Condition of Bent Turf

By R. A. Oakley

In the fall of the year, and frequently in the spring, bent greens, particularly those of velvet bent and certain strains of true creeping bent, sometimes exhibit a mottled or more specifically a spotted appearance. This mottling or spotting is due to small tufts of grass quite unlike the surrounding turf in color, and somewhat unlike it in texture. They are light yellowish-green, and each individual spot is rarely more than 2 inches in diameter, and usually less. Many of those who have observed them have concluded that they are caused by the invasion of some weedy grass, such as *Poa annua*. Others think they represent an unhealthy condition caused by a lack of one or more of the important fertilizing elements. The writer and his associates have studied the phenomenon casually for several years. A close examination shows the small tufts or rosettes which cause the mottling or spotting to be made up of young grass plants produced on the stems of the older plants. Botanically the tufts or rosettes are proliferations from the older turf. So far as can be ascertained they are not due to any fungous disease or to any insect or nematode. Furthermore, applications of ammonium sulfate and ammonium phesphate have not been beneficial in discouraging their formation.

It is thought that possibly the yellowish green spots might be the result of a condition similar to that existing in the pineapple fields of Porto Rico and Hawaii. Therefore iron salts were sprayed on the turf exhibiting them, but without noticeable results. Light dressings of compost, on the other hand, have had a tendency to cause the turf to return to a normal condition,—that is, to discourage the growth of these somewhat unsightly tufts. The cause of their formation is still obscure, but it is being studied, and it is hoped that some definite and simple remedy will be devised for their treatment. They are not objectionable on greens from the standpoint of the game, but they are, to say the least, unsightly on fine bent turf.

The Bulletin of the Green Section goes to press the first of each month.  
Contributors will please bear this in mind.