

meantime I sent for a supply of Calogreen, but it was two (2) days later before I applied this and I couldn't notice then where the disease had spread very much. I then applied Calogreen in solution at the rate of one-fifth pound to one thousand feet and the disease disappeared in a few days and the greens were back in a healthy state again.

Knowing the fungus is a disease affecting the blades of grass mostly, nevertheless I noticed a decided check after applying the sulphate of ammonia as a stimulant when the turf in that state was very beneficial.

The one application of Calogreen was sufficient to remedy a cure in my case as we had been having a dry spell at the time. After treating all my greens the same way I topdressed and came out all right and healthy if this is of any interest.

JAMES A. SMITH

London Country Club, London, O.

FOR several years I have been greatly interested in the prevention of brown-patch rather than in its control after appearance.

I have watched carefully over a period of five years the development of more than five million square feet of good, finished bent and invariably found that when at least a five inch rootage existed due to good physical soil conditions, brown-patch had never affected the planting. Where there has been immunity, deep rootage had so nourished the turf that its healthy and rapid growth could not be seriously impaired by this fungi.

Practically all brown-patch I have examined has been found upon shallow rooted turf, in comparatively poor soil and the soil of such a texture that the easy passage of water and air to a depth of five inches was impossible.

If this is true, the solution is one of better greens construction in the top five inches. We must remember that bent grass requires at all times abundant moisture to the depth of its rootage. All feedings used by turf must pass through this rootage as it takes up moisture, and its depth and the presence of proper bacteria surrounding it decide the character of the turf development. Artificial nourishment may stimulate momentarily its growth, but there is invariably a reaction effecting the bacterial life in the soil and a tendency to shallow rootage because of surface feedings.

Healthy and immune "Washington Strain" bent should have a rootage of from eight to ten inches and natural feedings from the soil bacteria sufficient to make the use of ammonium sulphate or other artificial feedings unnecessary. Their need as feedings is largely due to impaired aerobic bacteria which have been denied sufficient air and moisture. The greater the turf weakness, the more likely that brown-patch will get a foothold. This fungi does not thrive where healthy conditions of turf oppose it.

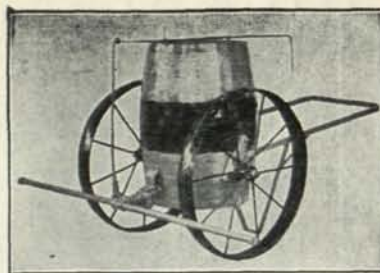
A tendency to turf coarseness from an excess of natural feedings can be corrected by the character of top dressings used.

Improperly nourished turf like improperly nourished children are liable to disease because of lowered vitality.

Grass Seeds

GET OUR
PRICES

Fertilizers



CLEVELINE STEEL FLAG POLE

A light weight steel flag pole that will not warp, tapered at the end to fit any size cup. These poles come finished in a heavy lacquer, red tipped in black, and orange tipped in black. These are a very durable and attractive flag pole and are the greatest value on the market.

CLEVELINE SPRINKLING CART

An improved sprinkling cart for applying fertilizers in solution and for the application of Semesan, Uspulun, etc. to the putting-green. It is a fifty gallon hard wood barrel mounted on four inch CONVEX tired wheels so that it can be turned on the green without injuring the finest turf. It is fitted with a brass valve that can be turned on and off by the operator from the rear. The boom has a spread of over six feet and is drilled with 103 one-eighth inch holes $\frac{3}{4}$ of an inch apart to assure an even penetrating flow. This cart will empty itself in about one minute. The construction of this cart is extremely rugged and should last many years.



CLEVELINE FLAG SWIVEL

A bronze rust-proof wire swivel which may be attached to any wooden and to the Cleveland Steel Pole. This device will prevent the flag from wrapping around the pole. It can be easily attached by slipping the large loop over the pole and screwing the small loop to the top of the pole.

Write for our 32 page Illustrated Catalogue on Supplies and Equipment

GOLF COURSE SUPPLY COMPANY

3049-51 Carnegie Ave. - CLEVELAND, OHIO

A. E. FLACK

H. J. STREICH

Royer Compost Mixers



"A Model For Every Need"

What a Royer User Says:

Hawthorne Valley Golf Club
Bedford, Ohio

Mr. L. F. Mitten

Last Spring I bought one of your Model "M" Machines for our Hawthorne Valley Golf Club, and can recommend it most enthusiastically. It handles all kinds of soil and material very rapidly and in a really wonderful manner. No golf course can afford to be without one.

Very truly yours,
(Signed) Frank H. Pelton

Save money for your Club
Make Better Compost

L. F. MITTEN

820 Miners Bank Building
WILKES-BARRE, PA.