Make Your Course Famous
For Turf Health With
Less Time And Labor —
Use ROTOTILLER.

FOR PUTTING GREENS that stay spring-
time fresh and thriving all season long and for
fairways, patch-free, evenly grassed and thriving,
use Rototiller — you'll get these better results
with less time and less labor.

ENGINE DRIVEN, fast revolving tines tear
up the ground, doing the work of plow, disc
and harrow, in one operation — doing it far
better. Once over, it prepares a deep, finely
pulverized, completely aerated putting green
foundation — fertilizer worked in evenly from top
to bottom — ready for planting. And there is no
packing down as fast as it's loosened up, no
hand-raking necessary.

EQUIPPED WITH "MAJOR BUTT'S GOLF
COURSE DISCS," ROTOTILLER cuts clean,
sharp, narrow slits in the turf, deep enough for
ideal aeration, moisture penetration and fertiliz-
ation. With field-mower attachment, it cuts the
rough, 42 inches wide at 3 miles an hour. Other-
wise, you'll find any number of jobs to keep
your ROTOTILLER busy . . . eliminating quack
grass, weeding, tilling and cultivating club-house
vegetable gardens.

FREE BOOKLETS — Profusely illus-
trated. Please
mention approximate areas of greens, fairways
and cultivated ground so we can send correct
information. Also, let us arrange a demonstra-
tion which takes but a few minutes. Address

Soil Tests Are Easy
and Informative

By C. F. Greeves-Carpenter

NOT so long ago few except experienced
agronomists knew much about soil
testing and then, almost overnight, great
interest was evidenced, for progressive
horticulturists and greenkeepers came up
with truly remarkable results in growing
plants in soil which was especially pre-
pared and suited to the chemical needs of
the plants.

There are, unfortunately, still many to
whom the subject is almost a closed book
for soil testing often seems too delicate
and puzzling. Commercial organizations
saw the possibilities in reducing the com-

long-term officials. Those clubs that have
officials in office for many years are the
most efficiently operated in the country
because the officials have learned the value
of long-term planning and expert work.
They do not require that their green-
keeping staff do jobs that properly are
within the province of specialists. Com-
petitive bids are asked and carefully
weighed on each job that's out of the
logical limits of greenkeeping. Conse-
quently, the greenkeeper is not afraid
to request that outside experts be brought
in on specialized jobs. The greenkeeper
thus escapes a responsibility that he
should not be asked to assume, and is
enabled to concentrate his attention to
turf culture.

"This long term planning results in a
drastic reduction of the expensive experi-
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plicated procedure necessary to obtain a soil analysis and have prepared soil testing sets which, though not designed to give complete chemical analysis, quite definitely show the greenkeeper the degree of alkalinity or acidity of his soil as well as indicate deficiencies in nitrogen, phosphorus and potash. These three chemicals are essential, of course, to all plant growth and, in most instances, it is found that the nitrogen is the most readily depleted plant food.

None of the rapid-method kits on the market is designed to show just how much nitrogen, phosphorus and potash should be added to the soil to bring it up to the required degree of fertility. Instead, the analyses made with one of these sets indicate whether the soil has these three major plant foods available and in sufficient proportion to maintain plant life at its best. If not, the remedy is obvious. There are some greenkeepers who still follow the practice of adding separate chemicals from time to time, but this procedure is not to be generally advocated as it is very easy to throw the soil off-balance chemically.

When you are TREATING FOR BROWN PATCH, KILLING WEEDS, or APPLYING SOLUBLE FERTILIZER will you do it the quick, cheap, easy, modern way with an improved stepped-up time saving PERFECTION ONE-MAN PROPORTIONER or will you do it the slow, hard, expensive, old-fashioned way?

ORDER YOURS NOW AND SAVE FOR SPRINKLERS
Demand the Original, large coverage, even distribution, lower pressure, lower priced, Reliable, Patented, Old Line PERFECTION SPRINKLERS.

Dealers everywhere or write PERFECTION SPRINKLER CO. Plymouth, Michigan, U. S. A.

Anyone who can read and follow directions can test soil.

If the soil is in good condition and has been properly kept up over a long period of years, it is good policy to test the soil once or twice a year to make sure that none of the important chemicals are being depleted, as well as to check acidity.

The test for acidity is one of the simplest and is considered as the most important by many of the greenkeepers. Most soils are acid in their reaction, and lime is the agent ordinarily used to correct that condition. Lime, in addition to controlling the acid condition, acts as a direct plant food furnishing the needed calcium, pro-
BOUNDARY CONTROL
A PAGE FENCE protects club grounds against unauthorized entry, safeguards against possible liability claims, provides privacy, enhances desirability of membership, makes tournament revenue possible.

Write for complete information and name of nearest associated PAGE FENCE distributor—one of 92 long-experienced members maintaining an expert consulting, cost estimating and fence erecting service.

PAGE FENCE ASSOCIATION
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"GUNITE"
SWIMMING POOL IN BERMUDA

A very artistic "GUNITE" Swimming Pool, built by us, to our copyrighted design, for the Hotel Bermudiana, Hamilton, Bermuda. It has had several successful seasons.

It is HIGH TIME for YOU to be moving if your Club is to have a new pool the coming summer. A "GUNITE" Swimming Pool is your best bet—and the least costly. It can be built quickly and can be economically operated and maintained. You'll find it a great "pepper-up" of attendance at your Club, and therefore a big money maker. Write us for data proving what a simple matter it is to own a "GUNITE" pool.

CEMENT GUN COMPANY
ALLENTOWN, PENNSYLVANIA

May 22 at Columbus, O., the Ohio Golf Course Supts. Assn. will hold its annual outdoor demonstration of maintenance equipment. In addition to Ohio greenkeepers, many from Pennsylvania, West Virginia, Kentucky, Indiana and Michigan are expected to attend.

Promotes bacterial growth and tends to make phosphorus available to the grass roots.

Soil testing sets are complete with test tubes, chemicals, funnels, filter papers, tin rod and a booklet of directions. The directions are not difficult to understand but must be carefully followed if one is to get satisfactory results. Briefly, the procedure with one of the most extensively used sets involves taking a sample of the soil, placing it in a test tube, adding a definite amount of the lime testing solution, shaking the mixture and allowing the soil to settle; all of which takes only a few minutes. A liquid rises to the surface, the color of which is compared with a color chart and from this one is enabled to determine the degree of acidity-alkalinity (pH value) of the soil.

The tests for nitrogen, phosphorus and potash are no more complicated, and the results of the various tests act as a very definite guide to the chemical requirements of the soil. Directions are included so that the pH value may be changed and the deficiencies of the three major plant foods compensated for.

72 Attend Annual Meeting of Connecticut Greenkeepers

SEVENTY-TWO members and guests attended the annual meeting and banquet of the Connecticut Ass'n. of Golf Course Supts., held at Hartford GC, Monday, March 6. The following were elected 1939 officers:

Pres., A. Lentine, Tumble Brook CC; Vice-Pres., H. Grahame, Putnam CC; Secy.-Treas., C. Traverse, Mill River CC; Asst. Secy.-Treas., G. Moquin, Manchester CC; Board of Directors—C. Basin, Waterbury CC; F. Emeneger, Fairfield CC; Wm. E. Perkins, Yale CC.

Speakers at the meeting were introduced by A. B. McGinley, sports editor of the Hartford Times, who acted as toastmaster.

Speakers were: J. P. Johnson, Conn. Agr. Experimental Station; Dr. H. B. Sprague, N. J. Agr. Exp. Station; Dr. T. Odland, Dr. DeFrance, and F. Emeneger.

The next meeting of the Ass'n. will be held at the Avon CC, Unionville.