is almost certain to attend the use of substituted materials, although somewhat less nitrogen is frequently effective because of the greater availability of the nitrogen in other materials.

In order to obtain uniform distribution, so essential to success a good fertilizer distributor should be used. Either the two-wheel lime and fertilizer spreader or the end-gate type lime spreader is effective. With the former type machine phosphate and nitrogenous materials can be mixed right in the hopper. The necessity of uniform applications is not generally appreciated. Fertilizers should be applied prior to the last discing so they can be worked into the soil.

Grass Seed of Known Quality
Tested for Purity and Germination
Prices on Application
Stumpf & Walter Co.
30-32 Barclay St.,
New York

**ABC of Turf Culture**
(Continued from page 11)

A Dozen Words of Advice from a Famous Golf Course Expert

"Good Turf is worth thousands—you must get it, then protect it."

You must protect golf turf from the pulling and tearing of dull cutting units, for the hardiest strains of grass will not conceal their damaging effects. Perfectly groomed turf requires sharp and properly adjusted cutting units—

The Peerless Lawnmower Sharpener

is the only machine that sharpens all makes of Power, Horse and Hand Mowers scientifically—quickly—perfectly—does the work as nothing else can. Hundreds of Clubs—both large and small—now use the Peerless. Will save its cost the first season.

Write today for Catalog and list of users
The Fate-Root-Health Co.,
825 Ridgets Ave.
Plymouth, Ohio

PROFESSIONAL and greenkeeper now employed in middle west desires connection in East. Write giving full particulars. Box 213, this magazine.

POSITION open for greenkeeper expert in care of Bermuda greens. Private club, large city. Box 215, this magazine.

GREENKEEPER desires connection with Southern club for experience. Eight years construction and greenkeeping in North. Advise salary and living quarters. Box 216, this magazine.

NOTICE

Greenkeepers who desire to secure positions through the Association Employment Bureau should submit with their applications an account of their experience, proper references and approximate amount of salary requested.

The Classified Advertisement column of THE NATIONAL GREENKEEPER offers a suitable medium through which applicants for positions as greenkeepers, assistant greenkeepers or golf course mechanics may get in direct touch with opportunity.
THE MACGREGOR COMPOST BRUSH

This is a valuable machine, for the grenekeeper, having various uses, some of these are, rubbing in compost after top-dressing, brushing worm casts, bringing the runners of bent to the surface where they can be cut, brushing the greens in the early morning, getting the dew off, and giving the grass a chance to dry off, so that the greens can be cut sooner, also "lessening the danger of Brown Patch."

They are being used by leading grenekeepers in the Chicago District.

Every wide awake grenekeeper should have one. Order now for immediate delivery.

Literature upon request

MACGREGOR COMPOST DISTRIBUTOR CO.
P. O. Box 717
WHEATON Illinois

Putter Hole Cup

Seamless steel tubing, with heavy four-bracket bridge pinned with taper steel driven pins. Finished in black lacquer.

Hercules Turf Repairer

9" cut, positively lifts cut plug without breaking sod.

Distributors of the TORO Line

Complete line of golf course supplies, wheelbarrow seeders, drag mats, bunker rakes, putting green sprinklers, hose, etc.

Write for literature

Golf Course Supply Co.
3049-51 Carnegie Ave.
Cleveland, Ohio

Tractor Wheel Spuds

The R. H. Tractor wheel spud square shoulder; saves time installing or removing

Made to Fit Any Tractor

Sample spud and circular on request

Advise make of Tractor used.

R. S. HORNER, Mfgr.
Geneva, Ohio

Mfgr. of spuds, wheels, R. H. Fairway Tractor.

Changed to FAIRWAY after Exhaustive Comparisons!

"We are very much pleased with the 3,000 feet 1" Fairway recently purchased. On the strength of an actual test with seven or eight other brands of Hose we changed the piping of our entire water system so as to use 1" Fairway. In the test other Hose burst at 70 and 80 pounds water pressure and the pressure was run up to 100 pounds and better on Fairway and it showed no signs of weakening anywhere."

THE REPUBLIC RUBBER CO.
Youngstown, Ohio

Say you saw the ad in The National Greenkeeper
ATTENTION SOUTHERN GREENS KEEPERS

JOHNSON'S FLAGS
Red, White or Orange
Plain $ .50
Numbered $ .65
Special flags made to order.
Ask For Our Catalog

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HR 1 for 3/8" poles $1.50
HR 2 for 1" poles $1.50
HR 12 for 1 1/2" poles $1.50

Foulis Flag Swivel $1.60
Johnson's Ash Poles 1.50
Steel Tubular 2.25

CADDY BADGES
Made to Order

J. OLIVER JOHNSON, Inc.
World's largest golf course equipment house
Morgan, Huron, Superior Sts.
Chicago, Ill.

Not only in America, but in England and on the Continent Worthington Gang Mowers, during the last ten years have been used on three times as many golf courses, awarded major Championships, as all other makes of machines combined.

"Wherever you find a good course you will find a Worthington"

Price:—$1104.00 Complete
Worthington Lawn Tractor and Quintuplex Mower combination, cutting a swath nearly twelve feet wide.

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