

Market Place and Buyers' Guide---

Mower Sharpeners

Fate-Root-Heath Company
Toro Manufacturing Company
Henry H. Doty

Nitrophoska

Synthetic Nitrogen Products Corp.

Peat Moss

Atkins & Durbrow, Inc.

Perforator

J. F. Buel

Poa Annua

J. M. McCullough's Sons Co.

Power Mowers

Cooper Mfg. Company
Toro Manufacturing Company
Worthington Mower Company
International Harvester Co. of America
Jacobsen Mfg. Company
Ideal Power Lawn Mower Company

Putting Green Mowers

Toro Mfg. Company
Pennsylvania Lawn Mower Works
Worthington Mower Company
Ideal Power Lawn Mower Co.
Roseman Tractor Mower Co.
The F. & N. Lawn Mower Co.
Jacobsen Mfg. Company

Power Putting Green Mowers

Jacobsen Mfg. Company
Worthington Mower Company
Ideal Power Lawn Mower Co.

Rakes

Pennsylvania Lawn Mower Works

Rhode Island Bent Seed

A. N. Peckham

Rollers (Hand)

John H. Graham & Co., Inc.
Stumpp & Walter Company

Rollers (Fairway)

John H. Graham & Co., Inc.
Toro Mfg. Company
Worthington Mower Company

Rollers

Stumpp & Walter Company
Toro Mfg. Company
Worthington Mower Company

Rough Mowers

Toro Manufacturing Company
Pennsylvania Lawn Mower Works
Worthington Mower Company
Ideal Power Lawn Mower Co.
Roseman Tractor Mower Co.
Jacobsen Mfg. Company
International Harvester Co. of America

Seaside Bent

Seaside Bent Company
Lyman Carrier Products

Shower Nozzle

McClain Brothers Company

Signs

Standard Mfg. Company

Spike Disc

John H. Graham & Co., Inc.

Sod Cutters

J. Oliver Johnson, Inc.

Sprayers

Hardie Mfg. Company
Friend Mfg. Company

Sprinklers

L. R. Nelson Mfg. Company
Buckner Mfg. Company
Economy Irrigation Company
Campbell Irrigation Company
Double Rotary Sprinkler Co.
Perfection Sprinkler Co.

Spuds

Diamond-Calk Horseshoe Company

Stolons

O. M. Scott & Sons Co.
Lyman Carrier Products

Sulphate of Ammonia

Synthetic Nitrogen Products Corp.

Tee Markers

Standard Mfg. Company
G. B. Lewis Company

Tee Mowers

Toro Manufacturing Company
Pennsylvania Lawn Mower Works
Worthington Mower Co.
Ideal Power Lawn Mower Co.
Jacobsen Mfg. Company

Tee Stands

Worthington Mower Co.
G. B. Lewis Company

Tillage Implements

International Harvester Co. of America

Top Dressing

Hyper-Humus Company
The Ohio Humus Company
Atkins and Durbrow, Inc.

Tractors

E. G. Staude Mak-A-Tractor Co.
Toro Manufacturing Company
Worthington Mower Co.
International Harvester Co. of America
Ideal Power Lawn Mower Co.
Roseman Tractor Mower Co.
R. S. Horner

Tractor Wheels and Spuds

R. S. Horner

Turf Fertilizers

Armour Fertilizer Works

Underground Hose Locker

McClain Brothers Company

Urea

Synthetic Nitrogen Products Corp.

Wood Charcoal

Wood Charcoal Research Bureau

Worm Eradicators

Peter Henderson & Co.
C. B. Dolge Company
Reade Mfg. Company

EMPLOYMENT DEPARTMENT

Insertions of advertisements in this section will be inserted on receipt of copy and 50 cents in stamps.

GREENKEEPER WANTED

I have a position open for an all-around man, experienced in upkeep of an 18-hole sand green course. Must be A-1 with mowing equipment and machinery. Only one who takes interest in his work and sees that the job is done will be considered. Address all inquiries to Box 10, The National Greenkeeper and Turf Culture, Caxton Building, Cleveland, Ohio.

POSITIONS WANTED

Experienced greenkeeper with splendid references desires position in the Chicago district. Understands thoroughly soil and climatic conditions. Good man for any club. Address inquiries to Box A, The National Greenkeeper and Turf Culture, Caxton Bldg., Cleveland, Ohio.

pro-greenkeeper or greenkeeper. Grand-nephew of the late "Old" Tom Morris of St. Andrews, Scotland. References, John Ball, eight times British Amateur champion, and Jimmie Johnson, ex-American Amateur champion. Previous connections, Town and Country Club, Saint Paul; Midlothian C. C., Chicago; Louisville C. C.; Country Club of Harrisburg, Pa. Address Tom Morris, 1548 E. 64th Street, Chicago, Illinois.

Well-known greenkeeper with best of recommendations and thorough experience in maintenance and construction at low cost is open for position at prominent club at moderate salary. For full details address Box D, The National Greenkeeper and Turf Culture, Caxton Bldg., Cleveland, Ohio.

Agronomist with several years' experience wants connection with golf maintenance work, consulting, managing or research. Thorough knowledge of chem-

istry, soils, fertilizers, grasses and how to buy the various things for golf courses. Address inquiries to Box 5, The National Greenkeeper and Turf Culture, Caxton Bldg., Cleveland, Ohio.

Fertilizer Facts for Fairway Improvement

(Concluded from Page 7)

Because clover and weeds are more prevalent where turf receives lime regularly, it was said that lime should never be used on established turf. The belief is no longer tenable, and the judicious use of lime in conjunction with feeding is now recommended. The beneficial effects of lime are most noticeable with the approach of dry weather in mid-summer. Besides its direct effect on the well-being of the turf, lime tends to improve soil structure of acid clay soils by promoting granulation.

The following factors are important, and should be considered in deciding upon the amount of lime to apply, namely degree of soil acidity, kind of soil, and variety of grass. With the possible exception of lime-loving Kentucky blue grass, lime is needed on moderate to stronger acid soils. The coarser-textured sands and sandy loams require less lime than finer-textured loams, silt, and clay soils of equal acidity. Fescue and bent seemingly withstand acidity better than Kentucky blue grass, hence less time is required, and its use should be confined to the more acid soils only.

Ground limestone of reasonable fineness is the safest and best form of lime to use. In some localities the use of a material derived from dolomitic limestone may be advisable to supply magnesium, and thus provide for its possible deficiency. Yearly applications of lime are unnecessary. It is better practice to make applications every two to four years. Effects are satisfactory, and there is less danger of unduly encouraging clover.

The Dealer's Mart

BOLSA SUPPLY CO.

Equipment Supplies

Friend Sprayers Chipman Lead Arsenate
F. & N. Mowers Cubor — for Web Worms
B. F. Goodrich Hose Fertilizers, Seeds, Etc.
330 LAKE STREET, OAK PARK, ILL.

CLEVELAND TORO CO.

Lawn equipment for golf courses,
Private estates, schools.

7602 Carnegie Avenue
Cleveland, Ohio

A Complete Line

Seeds - Equipment - Fertilizers
HOVEY & CO.

Established 1834 — Catalogue on Request
150 MILK STREET BOSTON, MASS.

NEW ENGLAND TORO CO.

Lawn equipment for golf courses,
private estates, schools.

1121 Washington Street
West Newton, Mass.

ARTHUR D. PETERSON

Golf course supplies and equipment
Graybar Bldg., 420 Lexington Ave., New York
Telephones: MOhawk 4-0410—4-0450
Eighteen Years of Reliable Service

Brown Patch Control

After nearly a year of intensive study, J. R. Ervine, formerly connected with the Davey Tree Institute and well-known student of Botany, has worked out what he believes would be an almost perfect method for the control of brown patch. To quote Mr. Ervine:

"Most authorities agree that brown patch is caused by Saprophyte fungi and to date there has been no fungicide introduced that will kill the adult plant without injuring the plant upon which they attack, but the spore of the fungi, like the germ of bacteria, can be killed during the germination period.

"I would suggest that with the last application of topdressing in the fall use approximately one pound of lime sulphur to 500 square feet of turf and in January repeat the application with a spray and repeat again with the first spring topdressing. In this method I believe it would be possible to catch the spores that germinate in the fall with the first application and those that would lay dormant

until along in February or March would be killed in the final application at the time of topdressing. I sincerely believe that if such a method is carefully applied to greens suffering severely from brown patch that within a period of two years the fungi disease will be completely and permanently destroyed.

"I would advise that a complete soil test of the greens be made late in the fall, one that will give the amount of nitrogen, phosphorus, potassium, calcium, magnesium, and sulphur available in the soil, then use the fertilizers necessary to make up the deficiency.

MERLE ZWEIFEL,
Catoosa, Oklahoma.

Look Out for Sod Webworm

It is said by the McClain Bros. Company, Canton, Ohio, that tests made by the Rhode Island State College rank Fungol as one of the two leading products for the control of sod webworm. The above company says they applied Fungol successfully at the rate of one-third of a pound in 20 gallons of water which was used as a spray.

Fungol controls many soil pests for the greenkeeper in addition to the sod webworm, so the makers claim. Sufficient applications to kill the webworm will also take care of brown patch and other vermin such as grubs, beetles, snails, earthworms, etc.

The Research department of McClain Brothers Company, which has made a complete study of lawn and greens maintenance, recommends most strongly that regular spray applications be made. Looking toward a control of these troubles rather than waiting until trouble develops before taking action, a systematic control chart has been worked out which can be had free by addressing McClain Brothers Company, Canton, Ohio.

Our Error

In the list of manufacturers and dealers published last month in the Buyers' Guide we inadvertently omitted the name of the Toro Mfg. Company, Minneapolis, Minn., and we take this occasion to call attention to this error and to apologize to the Toro Mfg. Company because of this unintentional oversight.



will keep new-cut Greens free of ant hills and worms and not injure turf.
Trial order to make fifty gallons.

**\$7.00 delivered or buy
it of your dealer**

Satisfaction or Money Refunded

The Royal Products Co.

214-216 S. Charles Street
BALTIMORE - MARYLAND, U. S. A.