

# Market Place *and* Buyers' Guide

Where reputable manufacturers and dealers list and describe their products. Greenkeepers are requested to write the Market Place for any special information they desire about supplies or equipment.

## Airport Drainage

Armeo Culvert Mfrs. Association  
Wendell P. Miller and Associates

## Ant Control

Royal Products Company

## Ball Washers

J. Oliver Johnson, Inc.  
Worthington Mower Company  
Ideal Power Lawn Mower Co.  
G. B. Lewis Company

## Ball Locators

Worthington Mower Company

## Bent-Coos County State Sealed and Certified

J. M. McCullough's Sons Company  
Seaside Bent Company

## Bent Seed—Cocoos Creeping

Stumpp & Walter Company

## Bent Seed—Prince Edward Island

J. M. McCullough's Sons Co.

## Bent Stolons

Hubbard Nurseries  
O. M. Scott & Sons Co.  
Stumpp & Walter Co.  
Ohio Humus Products Co.  
Illinois Grass Co.  
Hiram F. Godwin  
Lyman Carrier

## Bluegrass—Seed

J. G. Peppard Seed Company

## Brown Patch Control

Stumpp & Walter Co.  
J. Oliver Johnson, Inc.  
Arthur D. Peterson  
American Cyanamid Sales Co.  
C. B. Dolge Company  
McClain Bros. Co.

## Charcoal

Cleveland Charcoal Supply Company

## Cocoos

Lyman Carrier  
Stumpp & Walter Company

## Compost Distributor

Toro Mfg. Company  
The Root Mfg. Co.

## Compost Mixer

Toro Mfg. Company  
Royer Foundry & Machine Co.  
Beardsley & Piper Company  
Silver Mfg. Company  
Kemp Mfg. Company

## "Everything for The Golf Course"

Write for Catalog

**ARTHUR D. PETERSON**

420 Lexington Avenue  
NEW YORK CITY, N. Y.

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## Compost Screen

Silver Mfg. Company

## Cultivators (Disc)

John H. Graham & Co., Inc.

## Cultivators (Spike)

John H. Graham & Co., Inc.

## Drainage Engineers

Wendell P. Miller and Associates

## Dump Carts

Toro Mfg. Company  
J. Oliver Johnson, Inc.  
Worthington Mower Company  
Peter Henderson & Co.  
Ideal Power Lawn Mower Co.

## Fairway Fertilizers

Synthetic Nitrogen Products Corp.  
Armour Fertilizer Works

## Fairway Irrigation

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

## Fairway Mower Blades

The Budd Mfg. Company

## Fairway Mowers

Pennsylvania Lawn Mower Works  
Toro Mfg. Company  
E. G. Staude Mak-A-Tractor Co.  
Ideal Power Lawn Mower Company  
Worthington Mower Company  
The F. & N. Lawn Mower Co.  
National Mower Company

## Fairway Tractors

International Harvester Co. of America

## Fertilizers

Milwaukee Sewerage Commission  
J. Oliver Johnson, Inc.  
Peter Henderson & Co.  
Nitrate Agencies Co.  
Atkins & Durbrow, Inc.  
Arthur D. Peterson  
American Cyanamid and Chemical Corp.  
Lyman Carrier Company  
Bayer-Semesan Company  
Synthetic Nitrogen Products  
Wayside Gardens Company  
Armour Fertilizer Works  
Cobwell Reduction Co.  
Garden Supply Company

## Fertilizer Distributors

International Harvester Co. of America  
Synthetic Nitrogen Products Corp.  
The Root Mfg. Co.

## Flag Poles

Ideal Power Lawn Mower Company  
Standard Mfg. Company

## Flexible Steel Mats

J. Oliver Johnson, Inc.

## Fungicides

Bayer-Semesan Company, Inc.  
Sherwin-Williams Company

## Fairway Rollers

Toro Mfg. Company  
Philadelphia Toro Company  
Worthington Mower Company

## Golf Architecture

Charles Evans, Jr., and Associates

## Golf Course Construction

Ohio Humus Products Co.

## Golf Equipment

Stumpp & Walter Co.  
Peter Henderson & Co.  
Arthur D. Peterson  
Ideal Power Lawn Mower Company  
Lawn Equipment Corp.  
T. W. Wood and Sons  
Worthington Mower Company

## Grass Seed of Known Quality

TESTED for PURITY and GERMINATION

Prices and information on request

**Stumpp & Walter Co.**

Specialists in Golf Grass Seeds and Equipment  
132-138 Church St., New York



## Market Place and Buyers' Guide---

### Golf Flags

Ideal Power Lawn Mower Company  
Stumpp & Walter Company  
Peter Henderson & Co.  
Arthur D. Peterson  
Philadelphia Toro Company

### Grass Seeder

The Root Mfg. Co.

### Greens Fertilizers

Armour Fertilizer Works  
Synthetic Nitrogen Products Corp.

### Greens Sprinklers

L. R. Nelson Mfg. Co.  
Buckner Mfg. Co.  
Double Rotary Sprinkler Co.  
Dan F. Ryan

### Hand Mower Blades

Budd Mfg. Company

### Hole Cups

Standard Mfg. Company

### Hole Cutters

Ideal Power Lawn Mower Company  
Lawn Equipment Corp.  
Standard Mfg. Company

### Hole Liners

Chilton Crocker Company

### Hole Rims

Ideal Power Lawn Mower Co.  
Arthur D. Peterson

### Horse Drawn Mowers

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

### Hose

Peter Henderson & Co.  
Arthur D. Peterson

### Humus

Hyper-Humus Company  
Ohio Humus Products Co.  
Peter Henderson & Co.  
Atkins & Durbrow, Inc.  
Garden Supply Company

### Insecticides and Fungicides

American Cyanamid and Chemical Corp.  
Sherwin-Williams Company  
Bayer-Semesan Company

### Iron Pipe

McWane Cast Iron Pipe Co.

### Lawn Mowers

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

### Lime Spreaders

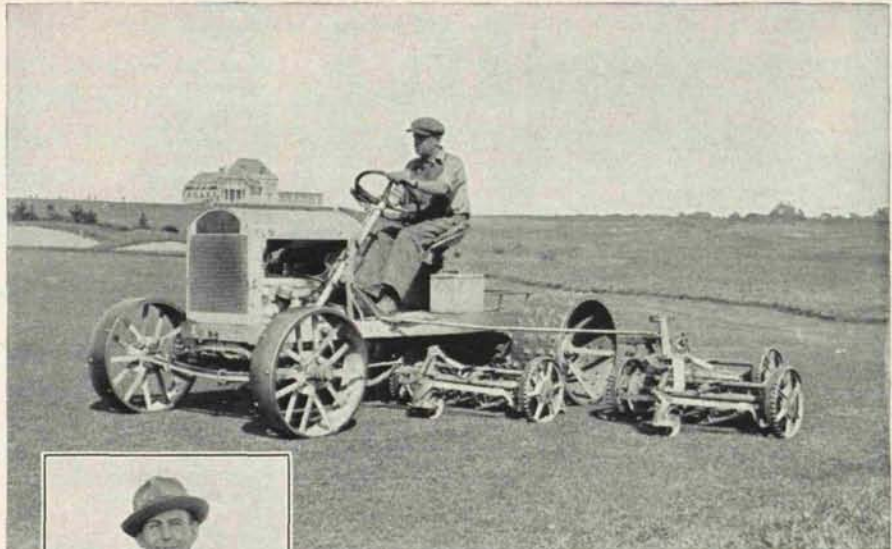
International Harvester Co. of America

### Mower Blades

The Budd Mfg. Co.

### Mowing Equipment

E. G. Staude Mak-A-Tractor Co.  
Toro Mfg. Company  
Pennsylvania Lawn Mower Works  
Ideal Power Lawn Mower Co.  
Worthington Mower Company  
Arthur D. Peterson  
International Harvester Co. of America



Mr. R. T. Granger, Supt.,  
Newport Country Club.  
Newport, R. I.

**"The Toro Master  
Seven mows our  
18 holes in 6½ hours"**

MR. GRANGER'S report is typical of the many received from users of this "new-standard-of-performance" Toro mowing equipment. The past season has proved beyond question the amazing efficiency, speed and economy of the new Toro Master Mowing Outfits.

If you are faced with demands for lower maintenance costs, if you are not satisfied with results you are getting from your present equipment, then it will pay you to investigate the Toro line now, and get the facts and figures ready for the next meeting of your Board or Committee.

## Toro Manufacturing Company

3042-3160 Snelling Avenue

Minneapolis, Minn.

Roseman Tractor Mower Co.  
The F. & N. Lawn Mower Co.  
Jacobsen Mfg. Company  
National Mower Company  
Philadelphia Toro Company

### Motor Trucks

International Harvester Co. of America

### Mower Sharpeners

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

### Nitrophoska

Synthetic Nitrogen Products Corp.

### Peat Moss

Atkins & Durbrow, Inc.  
Richard Gertstell

### Perforator

Philadelphia Toro Company  
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 Cup Illuminators

Chilton Crocker Company



# Market Place and Buyers' Guide---

## Putting Green Mowers

Toro Mfg. Company  
Pennsylvania Lawn Mower Works  
Worthington Mower Company  
Cooper Mfg. 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  
Philadelphia Toro Company  
International Harvester Co. of America  
Gravely Mower & Cultivator Co.

## Seaside Bent

Seaside Bent Company

## Seed

Henry A. Dreer  
O. M. Scott & Sons Co.  
J. Oliver Johnson, Inc.  
Stumpp & Walter Co.  
A. N. Peckham  
Peter Henderson & Co.  
J. M. McCullough's Sons Co.  
Illinois Grass Co.  
Arthur D. Peterson  
Henry A. Dreer  
Philadelphia Seed Co.  
Seaside Bent Company  
Lyman Carrier

## Signs

Standard Mfg. Company

## Sod Cutters

J. Oliver Johnson, Inc.  
Pacific Greenkeepers' Appliance Co.

## 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.  
Dan F. Ryan

## Spuds

Diamond-Calk Horseshoe Company

## Stolons

O. M. Scott & Sons Co.  
Hubbard Nurseries  
Lyman Carrier

## Sulphate of Ammonia

Synthetic Nitrogen Products Corp.

## Tee Markers

Standard Mfg. 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.

## 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  
Gravely Mower & Cultivator Co.

## Tractor Wheels and Spuds

R. S. Horner

## Trees

Blue Ridge Evergreen Supply Co.

## Turf Fertilizers

Armour Fertilizer Works

## Urea

Synthetic Nitrogen Products Corp.

## Water Pipe

McWane Cast Iron Pipe Co.

## Worm Eradicators

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

## Soils

(Concluded from Page 5)

particles with abundant pore space to provide the best aeration and assure that excess of water will be removed rapidly, give or assist capillary action, and yet hold the moisture that is always necessary for the grass plants to thrive.

To modify a heavy clay soil will require a great deal of sand. Yet a sandy soil will not require nearly as much clay in proportion to make it a sandy loam. A sandy soil, before it can be called sandy, has to contain 80% or more of separate sand. The balance could be all clay. A clay soil on the other hand can contain 30% or more of the separate clay, the balance can be all sand; thus only by adding 10% of clay, a soil may be changed from one extreme to the other.

## Soil Nutrients

(Concluded from page 9)

### MAKING SOILS PURPOSELY ACID

THE best practical method for making soils purposely acid is to add sulphur. Crude sulphur flour is the material to use, at the rate of 7 to 15 pounds per thousand square feet. It has no burning effect on grass, and rather quickly changes to sulphuric acid in soil. All of the sulphur is changed to acid during one growing season.

A more rapid but expensive method is to add alum (aluminum sulphate) up to 6 pounds per thousand square feet. Alum is already acid and is at once effective. In buying this material, be sure to specify aluminum sulphate. The alum of trade contains potash, which ought to be left out of the picture. One might even use ammonium alum for the nitrogen contained. This would acidify soil just as much as ordinary alum.

Much the same condition applies in acidifying soil as in liming, namely that the acid-forming substance affects only that part of the soil with which it comes in contact. Such a condition no doubt accounts for the failure of continued sulphate of ammonia treatments to eliminate clover from greens. The acid has little or no effect on soil a few inches down where the clover roots thrive.



## Wheel Spuds

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Manufacturer  
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