

# MacGregor Sounds Keynote of Progress

ANOTHER Convention and Golf show of the National Association of Greenkeepers of America has been successfully concluded. For educational purposes it has never been equalled in the history of golf. The golf show was a financial success, when one considers the depression. A great deal of credit is due the chairman of the Show committee for keeping us out of the red.

We must now look forward to the next Convention and Show which is to be held in Chicago, during February, 1933. Let us start now boosting it. Chicago has the reputation of being the greatest convention city in America, and rightly so. The Mid-West Greenkeepers Association is going to do everything possible to make the 1933 convention one to be long remembered.

Everyone who possibly can will want to come to Chicago to help make this possible. It would be a good idea to start putting a certain percentage of the pay check away so that the necessary funds will be available when it is time to pack the old grip and be on your way to meet the old friends and cultivate new ones.

We all know 1932 is going to be a hard year on greenkeepers, as budgets have been materially reduced. But

I believe every greenkeeper realizes the seriousness of the situation and will do all in his power to keep his course in good condition and curtail expenses to help his club weather this the worst year in the history of golf and in so doing will feel that he has done his best.

At the end of the year I am sure the clubs will be willing to send their greenkeepers to the convention. There were enough chairmen of Green committees at the convention in New York to realize the importance of sending their greenkeepers to the convention for the educational program alone. If one of them would write a letter telling of the importance of these meetings and have it printed in the golf magazines, I believe it would do more good than anything in influencing clubs, to make it possible for their greenkeepers to attend our conventions.

A campaign for new members is now on and it is the duty of every member to push this campaign by securing one or more new members. Let's take this seriously and do our share in building a bigger and better organization.

John MacGregor

## KEEP YOUR GREENS TRUE WITH DOLCO DIWORMA



### ERADICATES WORMS AND CHECKS BROWN PATCH

*Both at the Same Time*

The Spring worming is doubly effective if you use Diworma. It will bring every last worm up and out of the greens and fortify the grass against brown patch.

Diworma is a most effective eradicator and it will save you money. No broadcasting, washing-in, or rinsing. Just sprinkle it on—then rake up the dead worms.

Guaranteed uniform strength. Free Test Privilege. Write for folder with full details. Five gals. \$15.75; 10 gals. \$31.00; 30 gals. \$90.00; 50 gals. \$150; Dolge's Sprinkling Cart \$30.00.

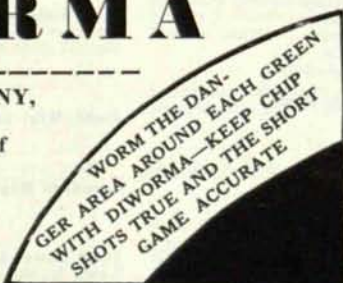
## DIWORMA

THE C. B. DOLGE COMPANY,  
Westport, Conn.

Please send us \_\_\_\_\_ gals. of  
Dolge Diworma.

Name \_\_\_\_\_

Address \_\_\_\_\_  
Dept. 1A



## PURCHASE YOUR

## BENT GRASS SEED

Direct from the farms where it is grown

The Reconstruction Finance Corporation has been created and given a couple billion dollars to bolster the waning credit of industry and agriculture, but, to bring back permanent prosperity, the American people should bend every effort toward cooperating with one another, not only in demanding a decrease in the cost of government, but in our purchases we should give preference to commodities produced in our own United States of America, which will keep labor employed.

I have not laid off any of my farm help. I can't, for as long as I keep in the business of growing bent grass for seed production I have to have the very highest type of skilled employees, men who understand the botanical difference between one variety and another of the Bent family of grass. They have to be men of intelligence, and who are willing to turn out a fair day's work for a fair day's pay. I keep these men employed the year around, and due to that fact, they are willing to work for less wages (for the time being at least), and I am passing this saving on to my customers.

*Economy and efficiency* in these times more than ever are the watchwords of every alert business man. Due to the deflated condition of many golf club treasuries it is necessary for the person in charge to look carefully into values before making his purchases for seed supplies.

Native, acclimated and winterhardy, upland grown Rhode Island Bent produces a beautiful, even turf of the highest type; and I am now selling it for *less than half* what I got a few years ago.

A. N. PECKHAM Kingston, Rhode Island



# 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**  
Armco 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

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

**Compost Screen**  
Silver Mfg. Company

**Cultivators (Disc)**  
John H. Graham & Co.

**"Everything for The  
Golf Course"**

Write for Catalog

**ARTHUR D. PETERSON**  
420 Lexington Avenue  
NEW YORK CITY, N. Y.

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**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. Staudt 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 Sales Co.  
Lyman Carrier Company  
Bayer-Semesan Company  
Synthetic Nitrogen Products  
Wayside Gardens Company  
Armour Fertilizer Works

**Fertilizer Distributors**  
International Harvester Co. of America  
Synthetic Nitrogen Products Corp.

**Flag Poles**  
Ideal Power Lawn Mower Company  
Standard Mfr. 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 Co.  
Lawn Equipment Corp.  
T. W. Wood and Sons  
Worthington Mower Company

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

**Greens Fertilizers**  
Armour Fertilizer Works  
Synthetic Nitrogen Products Corp.

**Greens Sprinklers**  
L. R. Nelson Mfg. Co.  
Buckner Mfg. Co.  
Double Rotary Sprinkler Co.

**Hand Mower Blades**  
Budd Mfg. Company

**Hole Cups**  
Standard Mfg. Company

**Hole Cutters**  
Ideal Power Lawn Mower Co.  
Lawn Equipment Corp.  
Standard Mfg. Company



# Market Place and Buyers' Guide---

## Hole Liners

Chilton Crocker Company

## Hole Rims

Ideal Power Lawn Mower Co.  
Arthur D. Peterson

## Horse Drawn Mowers

Pennsylvania Lawn Mower Works  
Worthington Mower Company  
International Harvester Co. of America  
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.  
Richard Gerstell

## Insecticides and Fungicides

American Cyanamid Sales Co.  
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

## 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  
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 Gerstell

## Perforator

Philadelphia Toro Company

## 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

## 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 Mower Blades

The Budd Mfg. Company

## Power Putting Green Mowers

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

## 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 Company  
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  
J. G. Peppard Seed Company  
Lawn Equipment Corp.  
Philadelphia Seed Co.  
Henry A. Dreer  
T. W. Wood & Sons  
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  
Thompson Mfg. Co.  
Economy Irrigation Company  
Pelican Works  
Campbell Irrigation Company  
Double Rotary Sprinkler Co.

## Spuds

Diamond-Calk Horseshoe Company

## Stolons

O. M. Scott & Sons Co.  
Hubbard Nurseries  
Hiram F. Godwin  
Lyman Carrier

## Sulphate of Ammonia

Synthetic Nitrogen Products Corp.  
Koppers Products Company

## 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.  
Richard Gerstell

## Top Soil Dresser

Beardsley & Piper Company

## 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

## R. H. WHEELS are stronger For all Fordson Tractors



Rims do not bend—50% better traction—rounded edges—easier steering. Hundreds used for replacing old, weaker wheels. Sold in singles, pairs or full sets. Several sizes. Immediate shipment.  
**Prices Reduced**

## R. H. Tractor Wheel SPUDS

quickest to put on or take off. Doubles traction and cultivate turf—that's why more than half the U. S. and Canadian clubs use them. Durable and low priced. All sizes for all purposes. Sample spud and circular on request; advise make of tractor and purpose for which intended.

If your Ford or equipment dealer cannot supply, write direct to



**R. S. HORNER, Manufacturer**

GENEVA - - - OHIO

Immediate Shipment

Prices Reduced September 1st.



## Golf Course Watering

Now is the time when the wise greenkeeper is checking over his equipment and plans for the coming year in order to withstand the dry siege that is always a part of the summer season. Any lack of adequate water equipment or breakdown in the course's irrigation system is certain to mean so much lost grass.

There are two times in the life of any plant which are the most critical. They are the period of germination, and the stage of growth just when the young plant is becoming established. And water plays a very important part in both of these critical periods. Water must be provided before the process of germination can even begin. A continuous supply must be maintained after the young shoot emerges or death will result.

Early spring is a vital season as far as watering greens and fairways is concerned. Since grass seed is planted very shallow because of its small size, the difficulty of maintaining the moisture content is therefore very great. Thus should newly planted areas be watched most carefully and supplied with the proper amount of moisture at the proper time.

In view of the recognized importance of an early start in the spring conditioning of greens and fairways, the Double Rotary Sprinkler Company, of Kansas City, Missouri, is now issuing their new literature, urging an early start in irrigation. For the past thirteen years the Double Rotary Sprinkler has been recognized as one of the most efficient sprinkling devices on the market.

There are, of course, two principal sources of water on golf courses: natural rainfall and irrigation by a proper artificial device. And one idea that all greenkeepers should keep in mind is that the natural rainfall *must be supplemented* by artificial means.

The fact that grass seed is planted shallow makes it necessary that the artificial watering device used in sprinkling does not wash or pack the soil or newly planted area. Greenkeepers say that this has long been one of the recognized features of the Double Rotary Sprinkler. Distributing water more nearly like gentle rainfall than any other mechanical means yet devised, the Double Rotary Sprinkler at one setting will cover a circular area up to 80 feet in diameter (more than 5,000 square feet), giving an even, equal distribution over all the area.

The water by its pressure through the nozzle, causes the aluminum distributor wheel to rotate at a high rate of speed. This, in turn, by a system of self-oiling reducing gears, causes the entire sprinkler head to rotate six to eight turns a minute. This at the same time breaks up the water stream into a linear shower of small drops. Thus, any one point in the sprinkled area gets its water at intervals of seven to ten

seconds, the intervening time allowing absorption without soil washing or packing.

Another thing about which greenkeepers must be careful in selecting an artificial watering device is to be sure the device will not cause puddling. Surface or sub-surface puddling is dangerous to the life of grass. Any area saturated in this way becomes soggy and the air space in the soil is closed up. Greenkeepers who have tested the Double Rotary Sprinkler on their own courses say that it will not puddle even in a strong wind. Its even, equal distribution of water is always constant.

The Double Rotary Sprinkler is sold on a ten-day trial basis with a guarantee of satisfaction backed personally by Lou E. Holland, president of the company.

## McClain Products for Turf

McClain Brothers Company, 129-2nd Street, of Canton, Ohio, are this year introducing their product Fungo for brown patch and vermin control.

Fungo is a product specially prepared, combining in a single preparation proper fungicidal elements for prevention and control of brown patch and fungus diseases together with the unique feature of the prevention and eradication of soil vermin, including grubs, earthworms, sod webworms, etc. It is packed in powder form in 9-pound glass jars and needs no further compounding on the part of the greenkeeper. It may be applied with sprayer, sprinkler cart or sprinkling can or it may be mixed dry with fine sand or soil and applied by hand. It is understood this combination product is a great economy in green maintenance from the fact that the purchase of additional chemicals for vermin eradication becomes unnecessary when Fungo is used regularly.

McClain Brothers have also brought out their water soluble fertilizer Veg-e-tonic. This is a "no filler" product supplied in air-tight steel drums, and in comparison has five to eight times the fertilizing value of ordinary "filler" fertilizers. It is a perfectly balanced grass food; nitrogen, 21—phosphoric acid, 13—potash, 10. It contains no inert fillers or substances and is applied in solution or liquid form with sprinkling can, sprinkler cart, proportioner or sprayer.

Particular claims for Veg-e-tonic is that its concentrated form saves storage space, time and labor in handling, is clean, causes no streaks or burning, and that it is extremely economical.

Greenkeepers will be particularly interested in the new monthly schedule system as devised by the McClain Brothers company for regularly timed applications of Fungo and Veg-e-tonic to putting greens. It is estimated this schedule system will effect tremendous fungi-

cide and fertilizing savings to every greenkeeper using it. It is printed on heavy cardboard, size 10" x 13", ready to hang in your office, tool house or workshop.

McClain Brothers company will gladly send it free of charge to any greenkeeper requesting same.

## Rockefeller Tribute

(Concluded from page 12)

William was the recognized leader in his profession in the Toledo district and had such a general standing in the nation that Chairman Ganson Depew of the Greens Section of the United States Golf Association, selected him as a highly needed member of his committee. This membership he held at the time of his death. A further recognition had come to him in recent years from the Inverness club. He was made one of its honorary members for life.

In speaking of death it can be truly said that a man "lives on" who has built such a playground as Inverness! This course, and its greens, has been a daily joy to its members for a generation and has twice been the course where the World's Open Championship has been held. In that larger sense, which we all love to cherish, his spirit abides as his living monument at Inverness.

The Eighteenth Green! He shaped most of it with his own hands. And what a stage it became for the most dramatic scenes in all golf's history. As there will never be another 72 hole play-off of a tie in the National Open of the United States Golf Association, William J. Rockefeller has the unique distinction of building the stage whereon occurred this supreme act of Golf's greatest drama. Thus it will take its unchallenged place at the very pinnacle of Golf history.

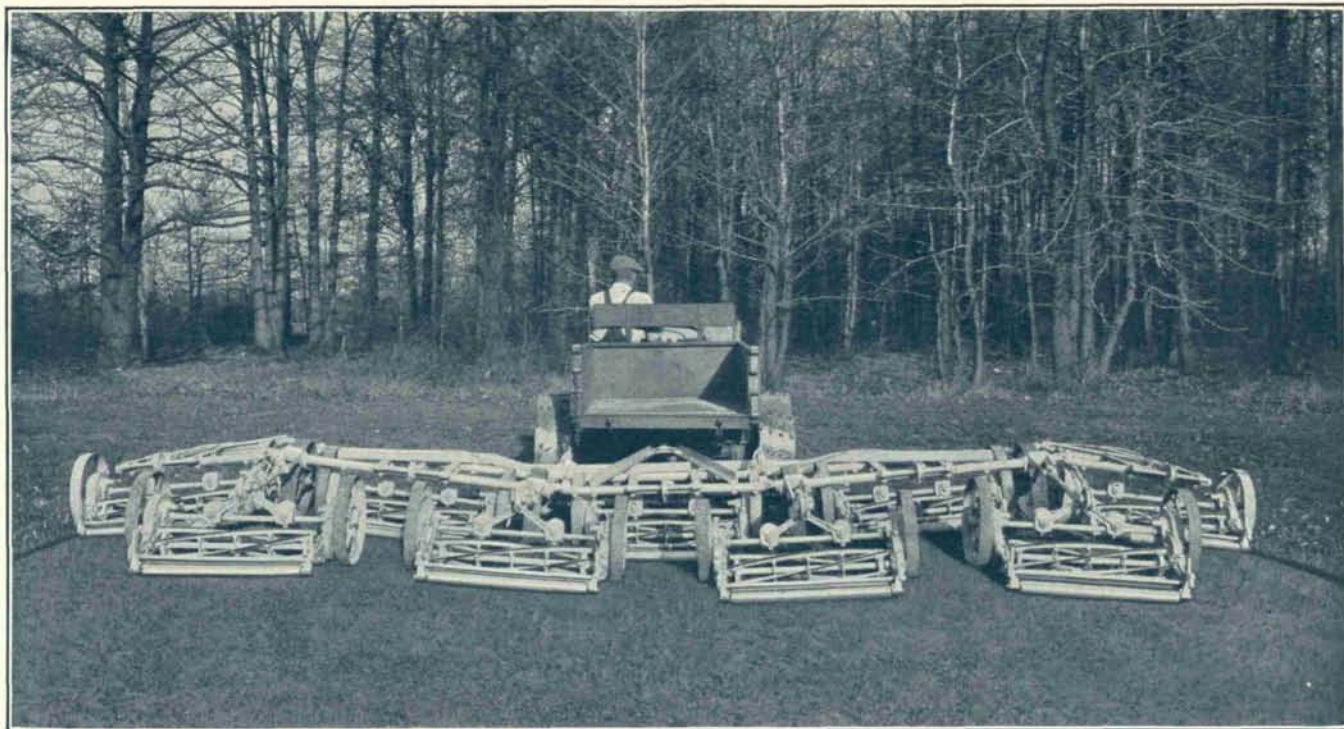
What contrasts life presents! That beautiful green surrounded by milling thousands, the whole atmosphere surcharged with excitement and then the never-to-be-forgotten climax! Its human interest was intense as the brightly shining afternoon sun revealed it all with electric sharpness.

That was last July—And now? In the dusk of life a solitary figure lingers at the Eighteenth green and looks and looks again as turning he comes wearily up the eastward slope and passes on "into the shadows."

**GREENKEEPER — desires position.**  
Prefers 9-hole course. Many years experience in construction and golf course maintenance. Can furnish best of references.

Address Box M, National Greenkeeper,  
Cleveland, Ohio





# NOW, a 9-gang, Unbreakable PENNSYLVANIA Fairway Mower! *cutting a swath of 21½ feet*

This is the largest grass cutter made. Yet for all its great size, each unit has complete flexibility and the outfit rides smoothly over undulations. Frame and units, of malleable iron and steel construction, are *positively unbreakable*.

It is easily convertible and can quickly be changed to a 7-gang, a 5-gang, or a 3-gang.

## A revolutionary improvement— 36-inch cut unit

For 1932, PENNSYLVANIA Quint and Trio machines can be supplied with either 36" cut or 30" cut units. You will [at once appreciate this important innovation.

The new Giant Quint cuts a swath of 14½ feet, or only two feet less than a 30" 7-gang. The initial cost is about \$200 less than the 7-gang, the upkeep considerably less and it is much easier to handle.

The new Giant Trio cuts a swath 8½ feet, or 1½ feet wider than the 30" Trio and costs only \$35 more, complete.

*Our Super Roller Mower, for greens, will be equipped with eight blades for the coming season.*

WRITE FOR OUR GOLF CATALOG AND PRICES.

**PENNSYLVANIA LAWN MOWER WORKS**  
PRIMOS, DELAWARE COUNTY, PA.