

# 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

**Arsenate of Lead**  
Sherwin-Williams Company  
Grasselli Chemical Co.

**Ball Locators**  
Worthington Mower Company

**Ball Washers**  
J. Oliver Johnson, Inc.  
Worthington Mower Company

**Bent Stolons**  
Hubbard Nurseries  
O. M. Scott & Sons Co.  
Stumpp & Walter Co.  
Hiram F. Godwin

**Bird Houses**  
Michigan Cedarcraft Co.

**Bridge Floors**  
Armco Culvert Mfrs. Association

**Brown Patch Control**  
Mallinckrodt Chemical Works  
Arthur D. Peterson, Inc.  
Golf Course Supply Co.  
Stumpp & Walter Co.  
J. Oliver Johnson, Inc.  
American Seed Co.  
Reade Mfg. Co.  
Bayer-Semesan Co., Inc.

**Catchbasins, Corrugated Iron**  
Armco Culvert Mfrs. Association

**Charcoal**  
Cleveland Charcoal Supply Co.

**Cocoas Creeping Bent Seed**  
Lyman Carrier, Inc.  
Stumpp & Walter Co.

**Compost Distributors**  
Toro Mfg. Company  
MacGregor Compost Distributor Co.

**Compost Mixers**  
Toro Mfg. Company

**Drainage Engineers**  
Wendell P. Miller and Associates

**Drainage Gates**  
Armco Culvert Mfrs. Association

**Dump Carts**  
Toro Mfg. Company  
Worthington Mower Company  
Ideal Power Lawn Mower  
J. Oliver Johnson, Inc.

**Fairway Rollers**  
Toro Mfg. Company

**Fairway Mowers**  
Pennsylvania Lawn Mower Works  
Toro Mfg. Company  
E. G. Staude Mak-A-Tractor Co.  
Worthington Mower Company  
Ideal Power Lawn Mower

**Fencing**  
Michigan Cedarcraft Co.

**Fertilizers**  
Milwaukee Sewerage Commission  
Golf Course Supply Company  
J. Oliver Johnson, Inc.  
Lyman Carrier, Inc.  
Synthetic Nitrogen Products Corp.  
Grasselli Chemical Co.  
Arthur D. Peterson, Inc.

**Fertilizer Spreaders**  
O. E. Thompson and Sons

**Flexible Steel Mats**  
J. Oliver Johnson, Inc.  
Golf Course Supply Co.

**Fungicides**  
Sherwin-Williams Company  
Grasselli Chemical Co.  
Bayer-Semesan Co., Inc.

**Golf Equipment**  
Michigan Cedarcraft Co.  
Stumpp & Walter Company  
Arthur D. Peterson, Inc.

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American Seed Co.  
Ideal Power Lawn Mower  
Arthur D. Peterson, Inc.

**Mower Sharpeners**  
Fate-Root-Heath Company  
Toro Manufacturing Company  
Henry H. Doty

**Power Mowers**  
Toro Mfg. Company  
Golf Course Supply Co.  
Worthington Mower Company  
Jacobsen Mfg. Co.  
Roseman Tractor Mower Co.  
Ideal Power Lawn Mower

**Putting Green Mowers**  
Toro Mfg. Company  
Pennsylvania Lawn Mower Works  
Worthington Mower Company  
Jacobsen Mfg. Co.  
Roseman Tractor Mower Co.

**Rakes**  
Pennsylvania Lawn Mower Works

**Rollers**  
Stumpp & Walter Company  
Worthington Mower Company  
Toro Mfg. Company

**Rough Mowers**  
Toro Manufacturing Company  
Jacobsen Mfg. Co.  
Roseman Tractor Mower Co.  
Worthington Mower Company

**Seed**  
Lyman Carrier, Inc.  
O. M. Scott & Sons  
Golf Course Supply Company  
J. Oliver Johnson, Inc.  
American Seed Co.  
Arthur D. Peterson, Inc.  
A. N. Peckham  
I. L. Radwaner Seed Co.  
Stumpp & Walter Co.

**Siphons, Corrugated Iron**  
Armco Culvert Mfrs. Association

**Sod Cutters**  
J. Oliver Johnson, Inc.

**Sprayers**  
Friend Mfg. Company

**Sprinklers**  
L. R. Nelson Mfg. Co.  
Buckner Mfg. Co.  
Economy Irrigation Company

**Sprinkling Carts**  
Reade Mfg. Company

**Stolons**  
O. M. Scott and Sons  
Illinois Grass Co.  
Hiram F. Godwin

**Storm Sewers, Corrugated Iron**  
Armco Culvert Mfrs. Association

**Street Culverts, Part Circle**  
Armco Culvert Mfrs. Association

**Tee Markers**  
Worthington Mower Company  
Standard Mfg. Co.

**Tee Mowers**  
Toro Mfg. Company  
Jacobsen Mfg. Co.

**Tractors**  
E. G. Staude Mak-A-Tractor Co.  
Toro Mfg. Company  
Worthington Mower Company  
Roseman Tractor Mower Co.  
Ideal Power Lawn Mower

**Watering Systems**  
W. A. Buckner Mfg. Company  
Economy Irrigation Company

**Well Casings, Corrugated Iron**  
Armco Culvert Mfrs. Association

**Worm Eradicators**  
Reade Mfg. Company.

# Economy Sprinklers Save Cost

Another new and very welcome face in our family of advertisers this month is the Economy Irrigation Co., Inc., of 21 Spokane St., Seattle, Washington. This company has been selling Economy sprinkler equipment for fifteen years during which time they have made constant improvements to meet the more rigid requirements of modern golf course maintenance.

This company manufactures the famous Economy Traveler, which is in pretty general use throughout the country. This sprinkler is said to be the only one in the world that moves itself, making one revolution in one-half to four hours. Another famous leader in the Economy line is the President which has a patented speed control and covers from one hundred to one hundred and twenty feet diameter and is both economical and durable.

Those who have sprinkling to do especially at night realize the tremendous saving in labor cost by the use of the most modern and up-to-date equipment. The initial cost of a complete outfit of sprinklers is hardly a factor when they will pay for themselves with labor saving in one or two seasons. In addition there is the tremendous satisfaction of the members of the club in having evenly watered, healthy fairways and putting greens.

## Introducing Mr. Doty

It is a pleasure to introduce to our readers this month, Henry H. Doty, distributor of the Hardinge Lawn Mower Sharpener, which will be well remembered by those who attended the National Greenkeepers' Show in Buffalo. Mr. Doty's place of business is Highland Park, Ill., a suburb of Chicago, and his mower sharpener is proving very popular among those who are using it.

One of the chief features of the Hardinge lawn mower sharpener is

the fact that it sharpens the ground blade, as well as the revolving blade and will take any size up to thirty inches. The Hardinge will also sharpen herringbone blades with ease and efficiency.

The Hardinge machine is designed around the cup grinding



THE HARDINGE MOWER SHARPENER

wheel, instead of the disc grinding wheel used with other lawn mower sharpeners.

The cup-shaped grinding wheel it is claimed, is the only form of wheel that will grind the three places on any type of lawn mower that must be ground to put the machine in first class cutting condition—they are; front edge of the ground blade, inside surface of the ground blade, and the reel blades.

It is also the only type of grinding wheel, so the makers claim, that will grind clearance on the inside surface of the ground blade without giving it a hollow ground clearance or hitting the back of the blade

holder. The spindle carrying the grinding wheel has ball bearings that are grit proof.

A photograph of the Hardinge lawn mower sharpener with particulars and prices will be mailed upon request.

## Milorganite Grows in Favor

The Sewerage Commission of the city of Milwaukee reports, through its Business Manager, Mr. V. H. Kadish, that their business in Milorganite this year shows 100% increase over last year. This is very



when you use

**Calo-Clor**

or

**Calogreen**

Your greens are longer protected from renewed attacks of Brown Patch.

## Other Advantages

- 1 Cheaper to use—only 3 oz. per 1,000 sq. ft. of turf required.
- 2 Cost per pound about the same as other remedies requiring 1 lb. to 1000 sq. feet.
- 3 Fewer applications are required.
- 4 Easier and quicker to apply.
- 5 Do not burn.

## Write for Free Booklet

describing the United States Department of Agriculture's tests leading to the development of Calo-Clor and Calogreen. It also includes full directions for use.

## Mallinckrodt Chemical Works

St. Louis, Missouri

Branches:

New York Montreal  
Philadelphia

## INDISPENSABLE

The National Greenkeeper, Cleveland, Ohio.

Gentlemen:—Enclosed find check for three dollars for a subscription to the NATIONAL GREENKEEPER for one year including the January, 1929 number.

I received the copy requested and find it full of valuable advertisements covering tools, machinery, equipment, turf grasses, seed, etc.

In my estimation it is a publication indispensable for golf courses, private and municipal parks, country clubs and general landscaping.

Very truly yours,

(Signed) A. E. ALLEMAND

Elks Country Club, Shawnee, Oklahoma.

# WHEN

*Will YOUR playing season begin?*

It is a matter of record that golf courses with Miller Engineered Drainage have extended their playing season three and four months. That pays.



Reduced maintenance cost is another result. We work cooperatively with architect or local contractor.

**WENDELL P. MILLER**

*and Associates*

**GOLF COURSE DRAINAGE**

**Engineers - - Constructors**

208 So. La Salle St., Chicago  
85 East Gay St., Columbus, O.

gratifying, and not only indicates the worth and popularity of this product, but is a personal tribute to Mr. O. J. Noer, who travels constantly throughout the country visiting golf courses and helping greenkeepers with their turf problems. Mr. Noer is one of the very few men in this country who combines a highly specialized technical knowledge with a vast amount of practical experience in turf culture.

A very rapidly developing new use for Milorganite has been found, namely, as a carrier or vehicle for arsenate of lead. The makers say that to date nothing else has put in an appearance that is as satisfactory for this purpose as Milorganite.

Although the company's business has doubled their increased production enables them to fill all orders promptly.

## Free Seed Testing

In order to get an official analysis on grass seed samples I. L. Radwaner Seed Co. Inc., 115 Broad Street, New York City, N. Y. are offering a FREE service of grass seed testing to golf courses and architects. Ten (10) samples will be tested absolutely without charge for one year, even if the club is not a customer.

This service will be maintained without influence or favoritism, based strictly on quality of a four ounce sample submitted under your own code name, so that we will have no idea if seed is ours or procured from other sources. A strictly unbiased report will be given

promptly, through our new connection in official seed testing service.

Clubs also have privilege of mailing samples direct to the laboratory at place designated by us, for direct test at our expense if so desired.

## How Humus Improves the Soil

The use of humus as a soil conditioner, bacterial home, moisture holder and carrier for concentrated fertilizer materials is a well-known practice—though the exact function of humus in the soil is not as well understood as it should be.

Humus will render the physical condition of the soil so as to permit the easy penetration of the roots. It will also increase the capacity of the plants dissolved in water. Without moisture the plants must perish.

The breaking down of inorganic food substances in the soil by means of bacteria is an important consideration. These bacteria live and multiply in the organic material in the soil. Indeed, bacteria play a more important part in our soils than we usually realize.

Many soils have no fit medium in which the bacteria can live and multiply. The result is a leached-out soil and steadily lessening productivity. Such a soil can be restored by the liberal use of humus.

Another effect of humus is to raise the soil temperature especially during the night when a high temperature is most needed. A soil rich in organic not only absorbs heat from the sun during the day, but

also sustains bacterial life which raise the temperature by fermentation. The result is that the soil is kept warm through the night as well as by day.

The Hyper-Humus Company, Newton, N. J., makes a specialty of preparing humus for greens. The product, known as Hyper-Humus is non-acid and thoroughly aerated. It may be purchased direct from the company in carload lots at very moderate cost.

## Armco Drainage

Heavy rains this spring and the damage done by storm water is causing greenkeepers and golf club officials many sleepless nights. Every day we hear of a putting green washed away or part of a fairway gone, and we know of two or three clubs where expensive concrete retaining walls are being constructed to care for this hazardous situation.

If these clubs would call upon the Armco Culvert Mfrs. Association, Middletown, O., and seek advice of their expert engineers they would be surprised to see what intelligent assistance and co-operation they would receive, because the Armco Co. has been draining land for so many years and in so many parts of the country that their data is accurate and reliable.

The Armco Co. issues a series of bulletins which are filled with actual photographs of drainage conditions and how some of the more serious problems have been solved. Every greenkeeper should have this Armco

## BOB HAYES of Pelham



Robert J. Hayes, prominent among greenkeepers and a strong association worker, who was active in the organizing of both Westchester and Metropolitan Greenkeepers associations, has recently been elected to the Presidency and Vice Presidency of the above organizations in the order named.

Mr. Hayes, Greenkeeper at Pelham Country Club, Pelham Manor, N. Y., superintended the construction of the course at this club, which work was done during 1920 and upon its completion took over the maintenance. This club is located on Long Island Sound near New York City.

information on file. It costs nothing to get it and it will save the club lots of money in costly experimental work. Not only the question of creek drainage, but the sub-drainage of flat areas is taken up in great detail.

A letter addressed to the Armco Culvert Mfrs. Association, Middletown, O., mentioning the NATIONAL GREENKEEPER will bring a prompt response.

### G. G. G. Fertilizer

The Grasselli Chemical Co., Cleveland, O., with branches in nineteen cities, reports a splendid demand for Grasselli Grass Grower, the complete mineral fertilizer for greens and fairways.

The G. G. G. fertilizer is balanced so the grass receives complete nourishment. It contains ammonia to produce growth and dark color, phosphate, which develops the root system and potash, which gives the grass plants a healthy stand. This company also makes a Grasselli arsenate of lead powder and other chemicals. The company will mail a folder, giving complete information and directions by writing to the Cleveland office or to any one of its branches.

### Pennsylvania's New "Quint"

The Pennsylvania Lawn Mower Works, 1615 North 23rd Street, Philadelphia, recently launched a very handsome folder describing the features of the Pennsylvania new Fairway Quint, which is said to be

the simplest and lightest of all the fairway mowers.

This company lays special stress on its rigid inspection and testing system, which embraces every step in production, and prevents any de-

## OUCH!

### "JUNE BUGS" DUE IN 3-YEAR CYCLE

Farmers Warned Against  
Pests This Spring;  
Eggs Weaker.

BY J. H. WEBB.

The detested "June bugs," or May Beetles, are scheduled to appear this spring in accordance with their three-year life cycle, and an abundance of beetles this season will indicate millions of their young next year. The young pests are known as white grub or "grub worms" so destructive to such farm crops as corn, timothy, strawberries, beans and potatoes.

The beetles themselves are injurious to certain trees whose leaves are often completely stripped on large tracts of timber.

Ohio is included in the infested area.

—Cleveland Plain Dealer.

viation from the high quality standards.

As examples of the extreme care used in the production of moving parts, the test of finished cutting cylinders for roundness is accurate to within two one-thousandths of an inch—of ball-bearing cups, to within three ten thousandths of an inch—and of the balls to within two ten-thousandths of an inch, or one-fifteenth of the thickness of the paper on which this is printed.

Only the highest quality crucible tool steel, similar to that used for the finest cutting instruments, is used for the revolving knives of Pennsylvania quality mower units and it is oil-hardened and water-tempered in the company's own plant. Each knife is given three separate grindings. These same quality standards and production methods are responsible for the uniform efficiency and dependability, not only of the Pennsylvania "New" Fairway Quint or Trio, but also of the improved Super Roller and the New Aristocrat greens mowers.

Photographs of the factory where

Pennsylvania mowers are made and of the chemical laboratory where all metals are tested are also included in the folder. A copy will be sent to any of our readers upon request.

### A New Company

We introduce a new company this month—The Bayer-Semesan Co. Inc., 105 Hudson St., New York City. This company sells Nu-Green and Semesan under the trade name of DuBay.

Last year they took the seed disinfectants division of the E. I. Du Pont De Nemours Co. Inc., Wilmington, Delaware and the Bayer Co., of New York and formed this new corporation, known as the Bayer-Semesan Co. The result is a specialized organization marketing these two fungicides that are so popular for brown patch control.

DuBay-NuGreen is the successor of Bayer NuGreen, which is well-known in the trade, and even a larger portion of the disinfectant ingredient has been added to this year's product; the same thing might be said of DuBay Semesan, which is the successor of DuPont Semesan and Bayer Uspulun. Semesan is a straight organic mercury fungicide and is preferred by greenkeepers whose greens have been heavily fertilized with soluble forms of nitrogen.

The makers recommend one pound of Semesan or NuGreen mixed with fifty gallons of water for the treatment of one thousand square feet of turf by the sprinkler method, and from fifteen hundred

# UREA

(FLORANID)

**A TESTED FERTILIZER**  
for  
**GOLF COURSES**

An EASY-TO-USE organic nitrogen grass food. Odorless, economical, efficient.

Clean, water soluble, leaves no undesirable residues in soil. One pound per 1000 feet, applied every four weeks, is proper amount for putting greens and fairways. Gives grass thrifty fine color, and develops wear resisting turf.

### NITROPHOSKA

is our concentrated complete (15-30-15) fertilizer. Urea and Nitrophoska supply greenkeepers with ideal plant-foods for successful sod maintenance. Sold by golf supply dealers. Write for special folder "Better Greens & Fairways," and ton prices.

Synthetic Nitrogen Products Corporation  
Garden Department  
285-S-Madison Ave. New York

## CREEPING BENT

My selection of  
**WASHINGTON STRAIN**

which I have supplied to many of the finest courses in the United States and Canada during the past seven years has proved the most satisfactory for putting turf.

Without exception these Clubs are convinced that their choice was the best they could have made. I am certain you would be just as well pleased.

May I figure on your requirements.

**HIRAM F. GODWIN**  
Bent Grass

Box A-Redford Sta.  
DETROIT, MICH.

Box 51  
WAYNE, PA.

to three thousand square feet when applied with a power sprayer, using at least two hundred and fifty to three hundred pounds pressure. Both these products are well distributed throughout the country with seedsmen and golf supply houses and can be had in quantities from twenty-five pounds up.

### "Fairway" Sales Increased

The Republic Rubber Co., Youngstown, O., reports a very

large increase in the sales of Fairway water hose this season over previous years.

While Fairway hose is not cheap it has proved to be the most economical in the long run, because of its long life and splendid service which it gives. If Fairway hose is not handled by your distributor, write direct to the company in Youngstown, O., and they will send you a small sample and particulars regarding this splendid product.

## NEW CATALOGS

### Arthur D. Peterson, Inc.

A very handsome catalog printed in two colors has been issued by Arthur D. Peterson, Inc., 11 East 44th Street, New York City.

The "House of Peterson," as it might well be called, handles supplies and equipment for golf courses and estates, and its policy is unique in that it does not urge the purchase of any special line, but they aim to furnish their customers with exactly what they want at the lowest prevailing quotations. The fact that the Peterson Co. does not handle anything exclusively gives them a very broad field of activity and enables manufacturers, large and small, to list their products with them.

"The marketing of grass seed suitable for the production of golf course turf," says Mr. Peterson in introducing his new catalog, "is an important factor in our business. Today grass seed is grass seed and the mysterious mixture a thing of the past. But it is essential, nevertheless, to select the correct varieties for particular purposes and then to make certain the seed is true to name and of satisfactory standard as regards purity and germination. Tests by the Department of Agriculture, or other reliable laboratories, will determine these facts and all merchants should welcome verification of any claims which they make."

The Peterson catalog illustrates and describes such well-known lines as Worthington mowers, Thompson spreaders and seeders, Meeker harrows, Peerless grinders, Lustri-lite tee markers, Boss rollers, Pennsylvania and Ideal putting green and fairway mowers, Royer mixers, Standard markers, Naga arsenate of lead, and countless other articles too numerous to mention.

A copy of this catalog will be sent free of charge to greenkeepers, chairmen and superintendents of grounds who will write for it.

### Standard Poles

Metal flag poles which are indestructible are featured in a new folder just issued by the Standard Mfg. Co., of Cedar Falls, Iowa. These Standard indestructible flag poles meet all the requirements of service, appearance and economy. They are beautiful in appearance, light in weight and amply strong to withstand severe usage.

Standard poles are regularly furnished in combinations of either red and white, or yellow and black which provides different colored poles for inside and outside holes. They are finished with a durable lacquer over a galvanized base and are easily visible against any background. The construction consists of a special, strong lightweight seamless tube formed into a beautiful spiral design, and dimensions are  $\frac{3}{4}$ -inch diameter and 8-foot standard length. At the bottom is a ferrule of cast aluminum which fits a standard  $1\frac{1}{8}$ -inch hole rim

socket. The top of the pole is fitted with an aluminum cap and there are three galvanized rings for attaching on the flag.

The Standard Company are making an unusual offer to ship a set of poles to any club on open account subject to ten days free trial, and if not completely satisfactory the poles may be returned at the company's expense.

### Wood's Seed

T. W. Wood & Sons, Richmond, Virginia, have issued an interesting catalog covering golf and lawn equipment, particularly emphasizing grass seed for golf courses, and lawns, parks, etc.

Besides the regular seeds used on northern lawns and golf courses, this company does a large business in the South and specializes in virgin seed Bermuda grass, and carpet grass, and also the imported Italian rye grass, which is used so much on putting greens in the far south.

This company carries a line of sprinklers and equipment for golf course maintenance, using only the best lines available.

One article in particular seldom listed in supply catalogs is the Pattisson sand trap harrow with which a trap can be raked in a few moments, and is a great labor saver over the old hand raking operation. They also list the Greenkeeper Golf Ball Washer, which incorporates many features, design and construction never before used in a ball washer.

## Midwest Explains Its Work

The Midwest Greenkeepers' Association, of which Alex Binnie of Shoreacres is the president, has started a constructive plan of educating the Green committee chairmen about its work.

"The purpose of the Midwest organization is to raise the general standard of golf course maintenance in its territory," says Alex Binnie, president, in a recent letter to the chairmen of the Chicago district, "to the point where the Midwest standard will be accepted as the highest in the nation, and to make the Midwest practice uniformly certain and results uniformly most satisfactory, with an accompanying achievement of pronounced economy in maintenance costs."

Speaking of the bi-monthly summer meetings at various courses, Mr.

Binnie continues, "the procedure is to inspect the courses in the morning with the local greenkeepers conducting the inspection tour; answering questions, explaining practice, history and conditions, and advising costs. Notes taken during these tours are discussed at lunch and in the afternoon."

The Midwest association maintains a special committee of experts which gives service to clubs on short notice. This S. O. S. crew handled last year a number of cases of desperate and urgent character, saving considerable money for the clubs so served, the only charge being for the transportation of the men on the committee. The association also holds an annual equipment show and demonstration, and in every way is doing a splendid work.