

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.

"We Consider the National Greenkeeper the Outstanding Magazine for the Guidance of Greenkeepers"

*Read what the largest paint manufacturers in the world
say about their sales of Arsenate of Lead
thru their advertising in the*

NATIONAL GREENKEEPER



THE SHERWIN-WILLIAMS CO.

601 CANAL ROAD, N. W.

CLEVELAND, O.

March 4, 1929.

Mr. Robert E. Power,
National Greenkeeper,
Caxton Building,
Cleveland, Ohio.

My dear Mr. Power:

Soon after articles appeared in certain golf magazines, including the National Greenkeeper, on the value of Arsenate of Lead against grubs and earthworms in turf, we decided to try the National Greenkeeper for advertising our Arsenate of Lead.

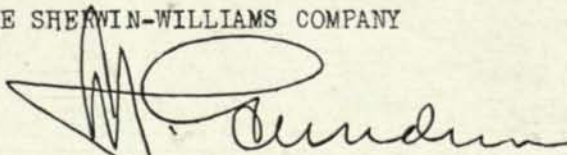
In our advertisements we requested readers to write us for our booklet on grub-proofing turf and based on the hundreds of inquiries that we received for copies of this booklet, we naturally concluded that the National Greenkeeper was really read by people who are interested in turf maintenance.

We consider the National Greenkeeper the outstanding magazine for the guidance of greenkeepers and have increased the number of advertisements appearing in this publication for the spring of 1929.

Your editorial articles have also proven helpful to us in interesting readers in the use of Arsenate of Lead on turf.

Yours very truly

THE SHERWIN-WILLIAMS COMPANY



MANAGER
Gen'l Specialty Sales

AJG:ML